

UNIVERSITY  
OF MICHIGAN

JULY 10 1955

ENGINEERING  
LIBRARY

# Applied Mechanics *Reviews*

A CRITICAL REVIEW OF THE WORLD LITERATURE IN APPLIED MECHANICS  
AND RELATED ENGINEERING SCIENCE

SECTION TWO

VOL. 8, NO. 2

FEBRUARY 1955

IN TWO SECTIONS

## ANNUAL INDEX

for

Volume 7

January - December 1954

SUBJECT INDEX..... Page 1

AUTHOR INDEX..... Page 10



# Subject Index to Applied Mechanics Reviews

Volume 7, January-December 1954

(Numbers used are serial numbers of Reviews)

## A

- ABRASIVES, *see* Diamond abrasives.
- ABSORPTION, 2623, 3613.
- ABSORPTION of heat, *see* Heat, radiation and absorption.
- ABSORPTION of sound, *see* Sound absorption.
- ABUTMENT walls, 2839.
- ACCELERATION and air speed in flight, 247, 2055.
- ACCELERATION measurement, 1011, 1012, 4007.
- ACCUMULATOR: hydraulic, 2886, 2890.
- ACOUSTIC: measurements in, 320, 951, 1311, 1656, 1657, 1993, 3042, 3403, 3888; measurement, optical methods, 2000; measuring instruments, 662, 954, 1654, 3323.
- ACOUSTIC ENERGY, 321.
- ACOUSTIC: gas analysis, 594, 2694.
- ACOUSTIC TESTS of materials, 594, 2169, *see also* Ultrasonic testing.
- ACOUSTICAL PROPERTIES of materials, 3031.
- ACOUSTICS, 33, 189, 673, 1032, 1305, 1307, 1356, 1701, 1809, 1997, 2168, 2326, 2329, 2330, 2335, 2669, 2670, 2671, 2684, 2687, 2695, 3026, 3027, 3028, 3029, 3030, 3034, 3035, 3036, 3039, 3040, 3043, 3045, 3132, 3273, 3391, 3409, 3479, 3754, 3760, 3794, 4065, 4066, 4067, 4070, 4071, 4073; (*see also* Sept. feat. art., pp. 377-378); *see also* Interface phenomena; Noise: Sound: absorption, attenuation, fields, generation, in fluids, in water, measurements and instruments, propagation, radiation, reflection, scattering, theory of, transmission, velocity; Ultra- and infrasonics; *seq.*
- ACOUSTICS, architectural, *see* Architectural acoustics; Sound transmission; electro, 3755.
- ACOUSTICS of airplanes, 324, 325, 326, 327, 328, 329, 952, 1653, 2693, 3044, 3399, 3400, 3401, 3402, 3403, 3404.
- ADHESION, 3578.
- ADHESIVES and adhesive testing, 405, 1073, 1444, 2818.
- ADIABATIC surface temperature, 1944.
- ADSORPTION, 605, 606, 1945, 3339, 3613, 3927; of gases in water, 2282.
- AERODYNAMIC coefficients, 254, 2919, 2920, 2937, 2979, 3296, 3638, 3684; in roll, 1566, 3310; in yaw, 2545; measurement of, 1571; of airfoils, *see* Airfoil theory; of projectiles, 891; *see also* Projectiles.
- AERODYNAMIC interference, 1211, 1919, 2552, 2580, 3664, 3665, 3981.
- AERODYNAMIC heating, 1636, 1637, 2561, 3353, 3652, 3723, 4035.
- AEROTHERMODYNAMICS, 607, 1959, 2321, 3015, 3353; *see also* Temperature recovery.
- AEROELASTIC effects on: air load distribution, 883, 2563, 3673.
- AEROELASTICITY: 2564, 2937, 3670; *see also* Buffeting; Flutter.
- AFTERCALCULUS, 2643, 3325.
- AFTEREFFECTS, elastic, *see* Anelasticity; elastic aftereffects.
- AGING: of materials, 3891.
- AILERON, 2467; reversal, 3310.
- AIR CONDITIONING, 670, 1647, 1875, 2275, 2385.
- AIR PREHEATERS, 942, 945, 946, 1297, 1298, 1649, 3010, 3739, 3752, 3753; *see also* Corrosion; Dew point.
- AIRFIELDS, *see* Highway and runway constructions.
- AIRFOIL cascades, *see* Cascades of: airfoils.
- AIRFOIL: interference and coupling, 848.
- AIRFOIL, oscillating, 253, 254, 280, 1162, 1185, 1573, 1587, 1876, 2247, 2526, 3309, 3669, 3671, 3723, 4063; compressible flow, 250, 370; incompressible flow, 228; *see also* Unsteady flow.

Review Numbers	Issue
1- 369	January
370- 670	February
671- 987	March
988-1351	April
1352-1688	May
1689-2053	June
2054-2364	July
2365-2730	August
2731-3082	September
3083-3444	October
3445-3779	November
3780-4104	December

- ARCHITECTURAL acoustics, 322, 632.
- AREA MEASUREMENTS, 2302.
- ATMOSPHERE, 1335, 2025, 2343, 3069, 3768.
- ATOMIZATION, 535, 1648, 2250, 2585, 2642, 3360, 3375, 4048; *see also* Drops; Trajectories droplets.
- ARGON, 3371.
- ATTENUATION of sound, 319; *see also* Sound attenuation.
- AUTOCORRELATION, 3103, 3966.
- AUTOMATIC control, *see* Control mechanisms.
- AUTOMATIC control: discontinuous, 2751, 3111.
- AUTOMOBILES; *see* Vehicles.

## B

- BACKWATER curves, 2514.
- BALANCES, wind-tunnel, *see* Wind-tunnel balances.
- BALANCING, 2403, 2404, 3129, 3175, 3189, 3800.
- BALL bearings, *see* Bearings.
- BALLISTICS, 2697, 3046, 3049, 3145; *see also* Aerodynamic coefficients of projectiles; Guns; Detonation and deflagration; Missiles; Trajectories projectile; exterior, 332, 705, 1664; interior, 3689, 3930.
- BARS: 103, 104, 105, 106, 796, 1051, 2116, 2408, 2423, 3204, 3491, 3826; *see also* Beams; Rods; beams, curved, 1734, 3504.
- BASINS, water, 2825.
- BEAMS, 24, 25, 26, 27, 74, 78, 139, 141, 142, 441, 471, 487, 737, 738, 739, 741, 1047, 1153, 1414, 1415, 1417, 1437, 1447, 1449, 1454, 1456, 1457, 1461, 1796, 2096, 2106, 2113, 2114, 2115, 2118, 2119, 2133, 2146, 2147, 2178, 2415, 2421, 2422, 2424, 2425, 2426, 2427, 2428, 2429, 2445, 2456, 2491, 2733, 2754, 2755, 2759, 2764, 2768, 2781, 2801, 2803, 2809, 2821, 2832, 2852, 3146, 3162, 3182, 3200, 3209, 3499, 3528, 3540, 3550, 3551, 3555, 3575, 3812, 3849, 3870; *see also* Bars; beams, curved; Bending of; beams; Buckling; Composite; Elastic foundation; Energy methods; Influence lines; Pipes and tubes under internal and external pressure; Relaxation methods; Residual stresses; Slope deflection methods; Statically indeterminate; Strain and stress, thermal; Torsion of shafts; beams: beyond the elastic limit, 1095, 1418, 1470, 1764, 1789, 2117, 2137, 3135, 3559; box, 490, 2393, 3482, 3503, 3870; composite, 75, 3503; semi monocoque, 739, 2787.
- BEARING capacity and settlement, 333, 335, 641, 646, 647, 648, 650, 668, 962, 963, 965, 1316, 1669, 1670, 2014, 2338, 2340, 2342, 2702, 2703, 2875, 3050, 3055, 3411, 4078.
- BEARINGS: 364, 1343, 1350, 1490, 1682, 2359, 2362, 2360, 2892, 3076, 3078, 3085, 3439, 3776; air, 2719; ball, 1345, 2357, 3075; heat rise in, 607; hydrodynamic, 981, 1342, 1346, 1348, 1349; journal, 980, 981, 984, 1348, 1349, 2718, 2719, 2720, 3074, 3077, 3435, 3437, 3440; material, 3435; performance and capacity, 2361, 3076; porous, 2717; roller, 982, 2357, 2721; rolling contact, 665, 666, 667; thrust, 3436; water lubricated, 1346.
- BENDING of: beams, 25, 48, 49, 428, 1045, 1046, 1048, 1734, 1740, 1773, 1786, 2117, 2145, 3161, 3503, 3547, 3557, 3842; plates and shells, 1042, 1061, 1063, 1064, 2129, 2130, 2436, 2795, 3513, 3516; wire ropes, 747.
- BENDING, SHEAR, and other static tests, 448, 1769, 2114.
- BENTS, *see* Frames.
- BIAXIAL, *see* Multiaxial stress.
- BINARY mixture, 2983, 4032.
- BIOMECHANICS, 1312, 1996, 2326 (*see also* Feb. feat. art., pp. 49-52).
- BITUMEN, 1107, 1129, 1130, 1499.

Blast loading, *see* Explosion effects on structures.  
BLOWERS, *see* Compressors.  
BLOWOFF, *see* Combustion: blowoff.  
BOATS, flying, *see* Seaplanes and flying boats.  
BOILERS: 604, 942, 943, 944, 1264, 1266, 1717, 1965, 1982, 1988, 1989, 1990, 1991, 2028, 2155, 2301, 2626, 2628, 3388; *see also* Air preheaters; Fans; Heat exchangers; Stokers; Superheaters; forced circulation, 2628; mercury, 801; starting, 1962, 1963; steam, 935, 3373, 3389.  
BOILING, *see* Heat, boiling.  
BOLTED joints, *see* Joints; riveted, bolted.  
BOUNDARY LAYER, 558, 990, 1193, 2228, 2537, 2911, 2915, 2917, 2928, 3289, 3293, 3970, 4050; *see also* Skin friction; compressible flow, 213, 214, 217, 218, 559, 633, 868, 869, 1179, 1191, 1192, 1194, 1201, 1354, 1555, 1556, 1880, 1955, 2226, 2958, 3291, 3292, 3642, 3651, 3655, 3657, 3903, 4026; incompressible flow, 215, 545, 868, 1170, 2538, 2901, 3355, 3666, 4027, 4028; laminar, 212, 219, 555, 871, 1195, 1561, 1881, 1884, 1887, 1888, 2220, 2294, 2541, 2615, 2914, 2916, 3290, 3356, 3652, 3945; measurement of, 871, 3288; stability of, 212, 537, 867, 1691, 2541, 2914; suction, 212, 560, 570, 864, 1205, 1209, 1554, 1608, 1885, 1895, 2231, 2539, 2588, 2912, 3287, 3328, 3968; *see also* Suction; thermal, *see* Heat transfer in boundary layer; three-dimensional, 1557, 1558 (*see also* July, feat. art., pp. 281, 285); transition and separation of, 211, 217, 558, 561, 1248, 1880, 2232, 3269, 3287, 3625, 3651, 3968; turbulent, 216, 218, 563, 1196, 1197, 1198, 1199, 1282, 1293, 1593, 1881, 1882, 1883, 1884, 1886, 2227, 2230, 2294, 2590, 3288, 3622, 3624, 3653, 3654, 3655, 3973, 3974, 3996, 1362, 1364, 1695, 1696, 2367, 2534, 2915, 3091, 3092, 3487, 3786, 3788.  
BRAKES, 1054.  
BRASS, 3904, 3908.  
BRAZING and soldering, 1439, 2813, 2897, 3534, 3535.  
BRIDGES, 74, 488, 489, 776, 777, 1461, 1462, 1463, 1771, 1772, 2150, 2420, 2455, 2456, 2457, 2458, 2498, 2820, 2838, 2839, 2869, 3197, 3545, 3872, 3873, 3874.  
BRITTLE: crack propagation, *see* Crack propagation; failure, 367, 501, 1805, 2843, 2854, 3082, 3779.  
BRITTLENESS, ductility, 2485; factors promoting, *see* Embrittling factors.  
BUBBLES, 3613, 3623; vapor, 3361, 3362.  
BUCKLING: 22, 68, 159, 460, 464, 783, 2134, 2138, 2151, 2444, 2449, 2451, 2799, 2800, 2801, 2804, 2806, 2808, 2809, 3171, 3177, 3183, 3192, 3193, 3201, 3526, 3531; *see also* Beams; Combined loading; Columns; Frames and bents; Pipes and tubes under internal and external pressure; Plates; Sandwich materials; Shells; Springs; Stability theory; Structural members; Structures; Tension-field webs; Yielding; of beams, 444, 462, 1049, 1356, 1419, 1434, 1786, 2136, 2144, 3527, 3528, 3566, 3854, 3855; lateral of beams, 2445, 3178; of panels, 2139; of plates, *see* Plates, buckling of; of thin-walled bars, 2115; of tubes, 3176.  
BUCKLING, PLASTIC, 759, 761, 1070, 1432, 1433, 1785, 3179, 3853.  
BUFFETING, airplane, 1227, 3980.  
BUILDINGS, 74, 80, 185, 1083, 1468, 1774, 2820, 3576.  
BULKHEADS, 2153.  
BURNER, 3708, 3743, 3744, 3749, 4052.  
BURNING velocity, *see* Flame velocity.

C

CABLES: and other flexible filaments, 746, 747, 1727, 2088, 2126, 2851, 3158, 3462, 3507, 3553.  
CABLES: vibration of, *see* Vibration of beams, etc.  
CALORIMETER, 2600.  
CAMs, 392, 2381.  
CANALS and rivers, 167, 168, 169, 353, 422, 529, 530, 531, 532, 832, 833, 1156, 1514, 1515, 1516, 1526, 1844, 1846, 2205, 2352, 2514, 2902, 3417, 3608, 3609, 3922, 3933, 4080, 4081.  
CAPILLARITY, *see* Surface tension; of soils, *see* Soil properties.  
CAPILLARY flow, 826, 1155, 2213, 2581, 3321.  
CARBIDE, 1127, 1139, 2897.  
CASCADES of: airfoils; compressible flow, 900, 901, 2958, 3283; incompressible flow, 575, 580, 903, 905, 1159, 1222, 1592, 1614, 1918, 1921, 1922, 2240, 2245, 2253, 3267, 3621, 3686.  
CAST iron, 126, 805, 2110, 2896, 3893.

CAST steel, 1148, 1149.  
CASTING, 152, 519, 620, 2505, 2882, 2883, 2884, 3602; under vacuum, 816.  
CASTINGS, 1150, 2504.  
CATALYSIS, 3927.  
CAVITATION, 162, 163, 1159, 1160, 1591, 2201, 2517, 2927, 3314, 3618, 3943, 4096; *see also* Bubbles; tunnel, 3777.  
CENTER OF: twist or shear, 53, 1421.  
CERAMIC materials, 117, 1194, 1815, 1823, 3153, 3229, 3591.  
CHANNELS, flow in, 353, 529, 532, 827, 828, 832, 1534, 1844, 1845, 1846, 2518, 2898, 3256, 3349, 3607; *see also* Backwater curves; Canals and rivers.  
CHARACTERISTICS, method of, in compressible flow, 188, 219, 555, 2369, 2520, 3562, 3646, 3959.  
CHEMICAL plant: frequency-response analysis, 3126.  
CHIMNEYS, 2932.  
CHIP formation, 154, 155, 156, 2894, 3911, 3913.  
CHROMIUM, 123, 2182.  
CLAPOTIS, 3073.  
CLAYS, 959, 960, 1029, 1316, 1322, 1668, 1669, 2002, 2007, 2009, 2010, 2701, 2702, 3050, 3063, 3228, 3898, 4075.  
CLOUD physics, 359, 2346, 3426.  
COATING, metal, 3894.  
COLUMNS, 68, 163, 757, 758, 759, 991, 1069, 1070, 1071, 1078, 1080, 1104, 1149, 1423, 1432, 1433, 1760, 1765, 1767, 1785, 1786, 2137, 2444, 2449, 2729, 2802, 2820, 3146, 3177, 3192, 3525, 3526, 3566, 3567, 3852, 3876.  
COMBINED loading, 104, 107, 425, 721, 810, 1066, 2472, 2765, 2791, 2792, 2799, 3161.  
COMBINED loading: buckling under, 460, 1435, 3176; of beams, etc., 743, 1045, 1079, 1099, 1818, 2167, 3182.  
COMBUSTION, 277, 287, 297, 301, 607, 609, 610, 612, 927, 1624, 2305, 2306, 2318, 2635, 2636, 2641, 2644, 2663, 3013, 3015, 3017, 3018, 3023, 3025, 3381, 3382, 3385, 3387, 3388, 3689, 3708, 3743, 3748, 3751, 4041, 4049, 4052; *see also* Afterburner; Atomization; Burner; Detonation and deflagration; Dissociation; Erosion burning; Flames; Flue gases; Fuels; Furnaces; Gasification; Ignition; Quenching; Stoichiometry; acoustics, 2671, 3022, 3390; blowoff, 2652, 2654; bomb for calorimetry, 4059; combustor, 1642, 1979, 1980, 2188, 2312, 2313, 2573, 2641, 2643; diffusion flame, *see* Diffusion flames; effect of diluent, 2633, 2649, 2650; flashback, 2652, 2654; heat-transfer aspects in, 2300, 2313, 2314, 2322; heterogeneous, 3394; internal-combustion engine, 609, 2275, 3398; gaseous fuels, 302, 1981, 3383; liquid droplets, 926, 2641, 2679, 2680, 2681, 2682, 3021, 3360, 3374, 4048; of solid fuels, 1977, 1983, 2307, 3384, 3750, 4057, 4058; optical methods, 2672, 3379, 3380; reaction kinetics, 264, 1973, 1974, 1975, 1976, 1977, 1981, 2321, 2322; stability, 3749; stoichiometry, 2279; surface, 614; unsteady, 613, 1972, 2309, 2669, 2670, 3022, 3389, 3391, 3393, 3688, 4055, 4060; vortex chamber, 3394, 4052.  
COMPLEX variables, 992, 1421, 2735, 3446, 3782.  
COMPOUND stresses, *see* Multiaxial stress.  
COMPRESSIBLE FLOW (*continued*):  
3626, 3644, 3646, 3952, 3953, 3964, 3981; hypersonic, 853, 869, 1194, 1617, 2225, 2529, 3641, 3951, 3952, 3953; one-dimensional, 279, 546, 552, 1877, 2221; two-dimensional, 849, 990, 1180, 1542, 1545, 1866; three-dimensional, 1860; conical, 3634.  
COMPRESSIBILITY of: gases, 290, 291, 1212, 3710; of liquids, 293, 420, 2976.  
COMPRESSOR: properties of materials, 503, 1485; test techniques, 1485, 2170.  
COMPRESSORS, 597, 905, 1228, 1232, 1233, 2204, 2275, 2580, 2946, 3316, 3680, 3686 (*see also* Aug. feat. art., pp. 329-331); axial flow, 257, 262, 556, 576, 578, 1216, 1589, 1590, 2202, 2253, 2579, 3313, 3316, 3681, 3687; centrifugal, 577, 2240, 2255, 3995; intercooling of, 3996; reciprocating, 2256, 3284.  
COMPUTING machines, 8, 3792; analog, 8, 269, 949, 1002, 1003, 1004, 1387, 1597, 1700, 1713, 1717, 2066, 2114, 2140, 2141, 2388, 2390, 2828, 3138, 3475, 3791, 3793, 3990; digital, 263, 1002, 1003, 1361, 1699, 2829, 3097, 3457, 3790, 3790; *see also* Data reduction.  
CONCENTRATION: fluctuation, 3396; stress, *see* Stress-concentration factors.  
CONCRETE: flow in pipes, 3263.  
CONCRETE AND MASONRY, 73, 133, 138, 140, 473, 474, 514, 515, 789, 809, 1270, 1452, 1491, 1492, 1493, 1772, 1778, 1782, 1815, 2168, 2183, 2184, 2185, 2186, 2187, 2417, 2497, 2823, 2873, 2874, 2875, 3177, 3224, 3225, 3227, 3263, 3548, 3574, 3575, 3587, 3589, 3590, 3888, 3896, 3897; air content, 134, 3226; light-weight, 3588; permeability, 3897; surface hardening, 137.  
CONCRETE: structures, *see* Reinforced-concrete structures; testing, 114, 115, 118.  
CONFORMAL mapping, 179, 548, 828, 1703, 3099, 3100, 3101; *see also* Functions; and theory of; quasi, 3447.  
CONSOLIDATION and stabilization of soils, 639, 645, 1315, 1319, 2008, 2521, 3763.  
CONTOUR integration, 3446.  
CONTOUR: time variable, 2740.  
CONTROL mechanisms, 19, 20, 247, 398, 399, 400, 707, 708, 711, 712, 713, 1145, 1215, 1384, 1385, 1386, 1387, 1582, 1715, 1716, 2080, 2081, 2082, 2384, 2385, 2386, 2387, 2388, 2390, 2392, 2747, 2749, 2751, 2752, 3115, 3116, 3117, 3118, 3119, 3120, 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3130, 3139, 3373, 3459, 3468, 3469, 3470, 3472, 3473, 3474, 3800, 3808, 3809, 3811, 3919; *see also* Automation; Controls, airplane; Feedback.  
CONTROLS, airplane, 194, 222, 227, 244, 370, 1214, 1912, 2555, 2969, 3308, 3408; *see also* Aerodynamic interference.  
CONVECTION, *see* Heat; convection.  
COOLING, magnetic, *see* Magnetic cooling.  
COPPER and copper alloys, 508, 2181.  
CORDS, *see* Cables.  
CORRELATION, 281, 949, 3965.  
CORROSION, 500, 800, 801, 942, 1122, 1488, 1649, 1683, 1988, 1989, 2646, 3236, 3752, 3753, 3883, 3894, 4100; *see also* Air pre-heaters; Dust effect on corrosion.  
CRACK propagation, 502, 1109, 2854, 2857, 3882, 3884, 3887; failure, 110, 112, 113, 792, 3586.  
CRACKING, stress corrosion, 3883.  
CRANKSHAFTS, 720, 2072; manufacturing of, 3601.  
CRAZING, 1828.  
CREEP, 100, 101, 102, 496, 497, 778, 2473, 2871, 3507, 3571 (*see also* Dec. feat. art., pp. 517-519); *see also* High-temperature behavior of materials; and relaxation properties of materials, 97, 124, 785, 787, 789, 797, 800, 1039, 1093, 1100, 1101, 1107, 1473, 1477, 1502, 1791, 1799, 1815, 1816, 2126, 2154, 2155, 2164, 2179, 2180, 2847, 2850, 2851, 2859, 2881, 2177, 3207, 3212, 3213, 3583, 3876, 3892 (*see also* Jan. feat. art., pp. 1-2; Dec. feat. art., pp. 517-519); *see also* Relaxation in plasticity; test techniques, 1475, 1484, 2156, 2859.  
CRITICAL speed, *see* Whirling and critical speed.  
CROSSFLOW, 315, 1953.  
CROSSHEAD, 2383.  
CRYSTALLINE structures, 2163.  
CRYSTALS, 97, 98, 785, 1471, 1475, 1479, 1480, 1487, 1819, 2496, 2872, 4015.  
CURVE-FITTING techniques, 387, 388.  
CURVILINEAR coordinates, 2423.  
CUTOUTS, 62, 1424, 1425, 1445, 1446, 1738, 1739, 1740, 1758, 1769, 2787, 2793, 3849; in structures, 45, 430, 431, 729, 766, 2433, 2765, 3157.

CUTTING FLUID, 822.  
 CUTTING PROCESSES, 153, 154, 155, 156, 157, 158, 521, 522, 820, 1142, 1143, 1144, 1147, 1511, 1798, 1833, 1834, 1835, 2197, 2198, 2506, 2594, 2896, 3243, 3245, 3508, 3591, 3592, 3593, 3594, 3599, 3914, 3915, 3916, 4095; *see also* Drilling; Grinding; Milling; Sawing; Slideway; Tools; Turning.  
 CYCLOIDS, 2378.  
 CYCLONES, 1679, 1681; in atmosphere, 979, 1330, 1334, 2715, 3069.  
 CYLINDERS, 30, 107, 3157, 3822.

**D**

DAMPING, capacity of materials, 29; *see also* Internal friction; Internal friction tests; Vibration damping.  
 DAMS, 82, 83, 87, 88, 89, 1315, 1464, 1465, 1781; earth, 479, 480, 969, 970, 2012, 3058, 3059, 3061, 3414, 3765, 3766, 4079; and retaining walls, 474, 481, 482, 484; *see also* Weirs.  
 DATA reduction, 263, 3796.  
 DECAY of turbulence, *see* Turbulence generation and decay.  
 DEFLAGRATION, *see* Detonation and deflagration.  
 DESCRIPTIVE geometry, 3460; *see also* Cycloids.  
 DETONATION and deflagration, 424, 1403, 1733, 1878, 2308, 2310, 2532, 2658, 2659, 2660, 2661, 2662, 2665, 2666, 2667, 2668, 2671, 2675, 3020, 3045, 3274, 3823, 4040.  
 DEW POINT, 310, 1988, 3753.  
 DIABATIC boundary-layer flow, 1610.  
 DIAMOND abrasives, 147.  
 DIAMOND: thermal conductivity of, 3344.  
 DICTIONARIES, 3189, 3294.  
 DIES, 2509, 2883, 2884.  
 DIFFERENCE equations, *see* Equations: difference.  
 DIFFERENTIAL analyzer, *see* Computing machines, digital.  
 DIFFERENTIAL equations, *see* Equations: differential.  
 DIFFRACTION, *see* Interface phenomena.  
 DIFFUSERS, 259, 582, 583, 842, 910, 1594, 1917, 2574, 2954.  
 DIFFUSION: atmospheric, 2711, 3773; thermal, 2593, 3371.  
 DIFFUSION: 289, 652, 1296, 1967, 3291, 3371, 3613; of gases, 203, 206, 210, 841, 940, 2596, 2648, 2980, 3369, 3652; liquids, 631, 940, 2982, 2985, 2986.  
 DIGITAL computers, *see* Computing machines, digital.  
 DIMENSIONAL analysis, 314, 345, 1692, 1693, 2207, 2624, 2734, 2885, 3251, 3375, 3459, 3605, 3606, 3950, 3953, 3974.  
 DIRECTIONAL control of ships, 2729.  
 DIRICHLET problem, 2060.  
 DISKS, 433, 2410, 2443, 2446; *see also* Plates; rotating, 213, 335, 455, 732, 3175, 3203.  
 DISLOCATION theory, 94, 1111.  
 DISSOCIATION, 4035.  
 DOWNDRAUGHT: and upwash, 249, 280, 1568, 1570, 2235, 2244, 2925, 3663.  
 DRAG AND LIFT, 873, 879, 887, 911, 1559, 1578, 2055, 2245, 2920, 2928, 3293, 3938, 3985; compressible flow, 190, 233, 234, 235, 236, 238, 239, 240, 241, 847, 878, 885, 1184, 1210, 1544, 1565, 2551, 2905, 3640, 3644; incompressible flow, 177, 178, 839, 888, 1538, 1863, 1897, 1898, 2234; measurements, 230, 231, 232; *see also* Resistance of ships; Boundary layer.  
 DRAINAGE, 481, 828.  
 DRAWING, extruding, rolling, 96, 509, 523, 819, 1074, 1097, 1098, 1105, 1116, 1120, 1141, 1145, 1146, 1438, 1508, 1510, 1742, 1837, 1838, 1840, 2191, 2192, 2193, 2508, 2510, 2511, 2720, 2882, 2883, 2885, 2886, 2887, 2888, 3232, 3237, 3246, 3247, 3596, 3597, 3598, 3600, 3879, 3891, 3904, 3905, 3907, 3908, 3909, 3910.  
 DRILLING, 336, 2894, 3592; *see also* Cutting.  
 DROPS, 249, 1235, 2250, 2815, 2885, 3293, 3612, 3730, 3737; *see also* Atomization; Raindrops.  
 DRYING, 1290, 3339, 3731.  
 DUCTILITY, 111, 112, 131, 510, 1801, 2481, 2759; *see also* Brittleness; Strain hardening.  
 DUST effect on corrosion, 2646.  
 DUST, SILT: sampling, 1679, 1681, 2022.  
 DUST, transport of, *see* Transport of dust, silt, etc.  
 DUTCH-ROLL oscillation, 1214.

DYNAMICS, meteorological, *see* Meteorological dynamics.  
 DYNAMICS, 12, 13, 14, 15, 16, 17, 23, 299, 358, 694, 699, 700, 702, 1381, 1389, 1709, 1714, 1926, 2073, 2076, 2742, 3107, 3109, 3113, 3303, 3454, 3461, 3464, 3800.  
 DYNAMIC loads, 80, 81, 1790, 2489, 2753, 2806, 3525; in airplane landing, 989; *see also* Gust loads on airplanes; measurement of, *see* Impact, measurement of.  
 DYNAMIC programming, 3104, 3105.  
 DRY ICE: optical flow testing, 2959.

**E**

EARTH pressure, 335, 336, 371, 774, 1318, 1779, 3761.  
 EARTHQUAKES, shocks and vibrations, 80, 342, 483, 1341, 1468, 2045, 2406.  
 EFFICIENCY and strength of joints, *see* Strength and efficiency of joints.  
 EIGENVALUE problems, 374, 376, 998, 1356, 2366, 2731, 2736, 3455, 3528.  
 EJECTORS and jet pumps, 1885, 3708, 3997.  
 ELASTIC constants of materials, 44, 504, 507, 508, 808, 813, 1115, 1135, 1136, 1137, 1138, 1400, 1483, 1495, 1496, 1506, 1730, 2169, 2486, 2868, 2877, 2879, 3900.  
 ELASTICITY THEORY, 13, 40, 42, 43, 44, 45, 51, 52, 60, 62, 118, 419, 425, 427, 428, 429, 432, 727, 729, 739, 742, 995, 1033, 1041, 1042, 1056, 1406, 1407, 1408, 1447, 1487, 1734, 1736, 1737, 1741, 2090, 2099, 2101, 2102, 2110, 2113, 2116, 2118, 2119, 2121, 2133, 2380, 2413, 2414, 2416, 2418, 2421, 2426, 2437, 2716, 2764, 2766, 2769, 2770, 2771, 2793, 2837, 3086, 3094, 3107, 3146, 3147, 3148, 3149, 3152, 3173, 3491, 3493, 3495, 3514, 3518, 3538, 3540, 3781, 3782, 3821, 3825, 3827; *see also* Anisotropic mediums; Bending of beams; Center of twist or shear; Cutouts; Energy methods; Relaxation methods; Strain and stress: contact, thermal; Stress concentration factors; Torsional problems (*see also* Jan. feat. art., pp. 1-2); three-dimensional, 50, 730, 731, 745, 1421, 2110, 3150, 3828; two-dimensional, 41, 728, 751, 752, 1424, 1735; *see also* Parallelepiped; elastic.  
 ELASTIC FOUNDATION, 963, 1417, 1428, 1753, 1754, 2132, 2788, 2809; beams with, 48, 49, 2425; plates with, 64, 767, 2434, 2440, 2794, 3168.  
 ELASTOPLASTIC flow and materials, 105, 779, 1099, 2159, 2161, 2162.  
 ELECTRIC ANALOGIES, *see* Analogies, electric.  
 ELECTRIC DISCHARGE machining, 2891; *see also* Forming processes.  
 ELECTRIC STRAIN gages, *see* Strain gages, electric.  
 ELECTROLYTES, 3585.  
 ELECTRONIC instrumentation, *see* Instrument engineering.  
 EMBANKMENTS, design of, *see* Dams and retaining walls.  
 EMBRITTLEMENT factors, 2853.  
 EMULSIONS, 1478, 3037.  
 ENAMEL: porcelain, 1821, 1822, 3885.  
 ENERGY methods, 874, 3516.  
 ENGINES: 2276; internal combustion, 81, 297, 364, 365, 369, 609, 612, 694, 696, 928, 1598, 1599, 1913, 2262, 2275, 2305, 2311, 2358, 2430, 2507, 2568, 2577, 2644, 2645, 2691, 2723, 2724, 2725, 2884, 2947, 3078, 3273, 3318, 3322, 3341, 3398, 3408, 3488, 3751, 4060, 4061, 4062 (*see also* May. feat. art., pp. 185-188); *see also* Combustion; internal-combustion engines; Knock; Supercharger; jet, 2579, 2948, 2949; railway, 928; steam, 602, 603.  
 EQUATIONS: arithmetical, 679, 1697, 2059, 2370, 2377, 2379, 2736; difference, 372, 1079, 1195, 1361, 1724, 1728, 2060, 3448, 3990; difference, partial, 3449, 3453, 3454, 3782, 3785, 3786; differential, 3, 5, 373, 375, 378, 379, 380, 382, 394, 674, 677, 691, 993, 997, 998, 1001, 1005, 1357, 1358, 1359, 1363, 1364, 1368, 2076, 2365, 2370, 2731, 2735, 2737, 2767, 3086, 3090, 3093, 3096, 3277, 3450, 3452, 3459, 3781, 3782, 3784, 3785, 3787, 3814, 3959; *see also* Boundary-value problems; Characteristics, method of; Phase plane, in solution of differential equations; differential, partial, 5, 377, 674, 677, 999, 1000, 1355, 1360, 1361, 1362, 1369, 1370, 1702, 3090, 3785, 3875, 3964; *see also* Characteristics, method of; Dirichlet problem; differential, nonlinear, 622, 677, 1384, 1698, 2062, 2063, 2391, 2737, 3124, 3130, 3277, 3658, 3964; integral, 726, 1079, 1420, 1585, 2394, 3087, 3088, 3781, 3788, 3812.  
 FLOW TESTING, 272, 2211, 2542, 2911, 3274, 3692.

**F**

EQUATIONS OF STATE, 290, 291, 292, 921, 1624, 1935, 1936, 1937, 1941, 2594, 2659, 2973, 3211, 3336, 3705, 3706.  
 EROSION: 2621; burning, 4057.  
 ERROR theory, 313, 680.  
 EVAPORATION, *see* Heat transfer: evaporation.  
 EXTRUDING, *see* Drawing, extruding, rolling.  
 EXPLOSION: 2663, 2664; *see also* Detonation and deflagration; effects, on structures, 1110, 1306, 1468, 3084.  
 FAILURE, 3491; *see also* Brittle failure; Crack propagation; Ductility; Embrittling factors; Fatigue failure; Fracture stress; Notch effect; Residual stresses; Ship and machinery defects; Strain rate.  
 FAILURE, cohesive, 1110, 1472, 1796, 1807, 2483, 2484, 2733, 2853, 2858, 3209, 3218.  
 FANS, 579, 947, 2254, 2255, 3994.  
 FATIGUE, 2481, 2482.  
 FATIGUE FAILURE, 90, 109, 429, 1802, 1808, 1810, 2480, 2483, 2765, 2855, 2857, 3234.  
 FATIGUE: properties of materials, 130, 144, 499, 500, 746, 790, 791, 793, 796, 1108, 1117, 1815, 1819, 2178, 2181, 2484, 2845, 2856, 2860, 3219, 3220, 3571, 3572, 3584, 3890, 3893; strength of joints, 1448.  
 FATIGUE TESTS, 198, 746, 794, 795, 797, 806, 1807, 1809, 1810, 2091, 2480, 2483, 2860, 3217, 3532, 3573, 3577, 3889, 3890.  
 FEEDBACK, 821, 2080, 2389, 2748, 2750, 3120, 3809.  
 FIBER boards, 3239.  
 FIBERS and fabrics, 148, 670, 701, 812, 813, 1014, 1136, 1137, 1138, 1504, 1505, 1506, 1711, 1813, 1814, 1826, 1829, 1830, 2190, 2879, 2880, 2881, 3221, 3239, 3240, 3241, 3901.  
 FILTRATION, *see* Seepage, filtration.  
 FINs, *see* Projectiles.  
 FLAME: *see also* Combustion; cool, 2317; diffusion, 2325, 2639, 2651, 3376, 4047; laminar, 1973, 2637, 2678, 3376, 3378, 3746, 4053, 4054, 4055, 4056; length, 2638, 3016, 3017, 3018; premixed, 3378; propagation, 611, 2317, 2361, 2632, 2634, 2651, 2673, 2675, 3393, 3741, 3645, 3748, 4041, 4043, 4044, 4045, 4046; propane, 3019, 3741, 4043; radiation, 1985, 1986, 1987; spectroscopy, 3750, 4056; stabilization, 1968, 1969, 1971, 2315, 2316, 2324, 2633, 2634, 2654, 2655, 3742, 3743, 3749, 4050, 4051, 4053, 4054; temperature, 2649, 3377; temperature measurement, 925, 2311, 2323, 2676, 2677, 2678, 3378; thickness, 3395; traps, 2320; turbulent, 941, 1981, 2656, 2657, 2910, 3014, 3016, 3395, 3396, 3397, 3740, 3747, 4044, 4046; velocity, 2318, 2640, 2648, 2650, 2651, 2653, 2672, 3017, 3020, 3744, 3745, 3747, 4040, 4042, 4043.  
 FLAMMABILITY, 1970, 2319, 2630, 2648, 2650, 2657, 3741, 4041, 4055.  
 FLANGES, 2127.  
 FLAPS: aerodynamic characteristics of, 883, 896.  
 FLIGHT, nonstationary, 877, 2246, 3780, 3979.  
 FLIGHT PATH, 221, 877, 1214, 1219, 2246, 3060, 3780, 3987; *see also* Trajectories, projectile.  
 FLIGHT SIMULATOR, 1713, 3475.  
 FLIGHT TESTING, 243, 244, 1576, 1579, 1612, 1905, 2588, 3325, 3329, 3331, 3359; *see also* Wind tunnel.  
 FLOOD flow, *see* Streams, natural, flood flow.  
 FLOW OF FLUIDS through porous media, 202, 203, 334, 663, 831, 1524, 1554, 1641, 1862, 2207, 2539, 2588, 2690, 2704, 3064, 3620.  
 FLOW MEASUREMENT, 585, 588, 908, 1923, 2581, 2963, 4000; of gas-solids mixtures, 907.  
 FLOW-MEASURING devices, 269, 589, 906, 2054, 2582, 2583, 2961, 3320, 3691, 4001, 4008; *see also* Flowmeters; Orifices; Nozzles; Rotameter; Velocity meters.  
 FLOW TESTING, 272, 2211, 2542, 2911, 3274, 3692.  
 FLOW TEST techniques, *see* Anemometer, hot-wire; Combustion; Flowmeters; Pressure measurements; Optical flow; Temperature measurement; Turbines, pumps, etc.; Viscosity measurement; Wind tunnel; analysis, balances, corrections, seq.  
 FLUE GASES, 594, 800, 801, 942, 1122, 1624, 1649, 1679, 1681, 1988, 1991, 2278, 2279, 2646, 3025, 3388, 3752, 3753; *see also* Air preheaters.  
 FLUID FLOW, 181, 233, 260, 543, 549, 673, 1515, 1516, 1518, 2380, 2513, 3094, 3107, 3259, 3603, 3617, 3782, 3935, 3936; measurement, 272, 863, 1923, 2054, 2961, 2962, 2963, 3691, 3693.

FLUTTER, 252, 253, 884, 1222, 1586, 1911, 2565, 2566, 2936, 2938, 2939, 3489, 3670, 3676, 3991; wing, 573, 1086, 1226, 1398, 1573, 1910, 2247, 2935, 3311, 3312, 3674, 3675, 3990; *see also* Vibration of: airplanes.

FLYING BOATS, *see* Seaplanes and flying boats.

FOAM, 1617.

FOG, 296, 304, 3430.

FORCE: measurement, 1013, 1246, 1746, 2270, 2889, 2968.

FORGING, 817, 1507, 1836, 1837, 1838, 2510, 2512; *see also* Forming processes.

FORMING processes, 32, 1507, 1513, 1798, 2840, 3242, 3508, 3591, 3595; *see also* Cutting processes; Dies; Drawing, extruding, rolling, Drilling; Forging; Grinding; Milling; Molding; Turning.

FOUNDATIONS, 81, 333, 335, 337, 635, 636, 637, 638, 646, 647, 648, 650, 651, 736, 969, 1029, 1317, 1732, 2006, 2014, 2161, 2152, 2341, 2440, 2835, 3050, 3051, 3052, 3055, 3412, 3867, 4078.

FOURIER SERIES, analysis, 3106, 3793; *see also* Harmonic analysis.

FRACTURE STRESS, 77, 1092, 2120, 2485, 3884.

FRAMES AND BENTS, 46, 69, 72, 442, 483, 487, 763, 764, 768, 1076, 1083, 1396, 1417, 1449, 1458, 1463, 1472, 2103, 2459, 2460, 2461, 2462, 2463, 2469, 2756, 2828, 2829, 2833, 3190, 3191, 3522, 3543, 3556, 3578, 3839, 3844, 3854, 3855, 3864, 3866, 3868.

FREE molecule flow, *see* Rarefied gases.

FREEZING, 4076.

FREEZING point decrease, 1643, 3337.

FREON, 584, 2293.

FREQUENCIES, *see* Vibration frequencies.

FREQUENCY RESPONSE, *see* Response.

FRETTING, *see* Wear and fretting.

FRICITION, 13, 19, 55, 57, 517, 703, 704, 1013, 1014, 1015, 1016, 1054, 1131, 1500, 1788, 2381, 2506, 2610, 2899, 2902, 3110, 3205, 3210, 3578, 3801, 3805, 4099, 4101; in bearings, 3215, 3216, 4097; of fibers, 812; in fluid flow, 863, 3624, 3721, 4025; measurements, 1380; on snow, 391; tests, 2078.

FUELS, 3021, 3386; *see also* Hydrocarbons; Hydrogen.

FUNCTIONS: and theory of, 687, 692, 693, 1008, 1009, 1365, 1366, 1702, 1707, 1708, 2372, 2735, 2936; *see also* Conformal mapping.

FURNACE: solar, *see* Solar furnaces.

FURNACES, 302, 620, 943, 944, 947, 1985, 2174, 2188, 2300, 2618, 2620, 3024, 3228, 3382, 3727, 3739.

FURNACES: model flow test in, 2960.

FUSELAGE, 2780, 2919, 3299; incompressible flow, 887, 2243, 2168.

## G

GALLERIES, *see* Pits and galleries.

GAME theory, 3458.

GAS DYNAMICS, 3013; *see also* Compressible flow.

GAS GENERATORS, 2567, 3318.

GASES, 1259, 1261, 1262, 1263, 1859, 1935, 1936, 1937, 2279, 2591, 2592, 2903, 2974, 2980, 3336, 3705, 3709, 3710, 4012; *see also* Argon, Freon; Helium; Neon; Nitrogen; Oxygen; Compressibility of gases.

GAS MIXTURES, 294, 295, 3704.

GASIFICATION, 1977, 1978, 1984; *see also* Gas generators.

GATES, hydraulic, *see* Valves and gates.

GEARS, 1, 54, 57, 58, 2192, 2430, 2432, 2445, 2956, 3163, 3442, 3462, 3509; *see also* Turbine gears; and gear teeth, 54, 56, 447, 750, 1055, 1422, 3508, 3511; friction, 749; hydraulic, 1161, 3510; strength of, 3843; worm, 55, 748, 2431.

GENERAL RELATIVITY, *see* Relativity, theory of.

GENERATION: of sound, *see* Sound; of turbulence, *see* Turbulence.

GEOPHYSICS, 341, 371, 664, 1017, 1337, 1338, 1340, 1341, 1675, 2047, 2355, 2716, 3433; *see also* Earthquakes, shocks and vibration; Heat transfer, geophysical; Plasticity in geology.

GIRDERS, 763, 1082, 1766, 1768, 2435, 2457, 2498, 2803, 2822, 3193, 3195, 3496, 3544, 3545, 3872.

GLASS, 518, 1035, 1380, 1497, 1498, 1805, 1814, 1824, 1825, 1826, 3900.

GLASS FIBER, 2402.

GLIDING: glide packets, slip, 153, 876, 1567, 2496.

GOLD WIRE, 509.

GOVERNORS, *see* Control mechanisms.

GRANULAR media, 2020, 2021, 2023, 2024.

GRAPHICAL solutions, 381, 425, 1375, 1391, 1751, 2062, 2383, 2447.

GRAPHITE, 503, 3343.

GRAVITATION, terrestrial, 344, 390.

GRILLAGE, 1446, 2422.

GRINDING, 160, 823, 2069, 2194, 2197, 2802, 2893,

3248, 3249; *see also* Cutting.

GUIDED missiles, 1575, 2144, 3114, 3808.

GUNS, 716, 2697, 3049.

GUST loads, 1563; on airplanes, 238, 245, 884, 1581, 1903, 1904, 2931, 2933, 2937, 3302.

GUSTS, *see* Turbulence, atmospheric.

GYROSCOPICS, 401, 402, 403, 404, 710, 1347, 1388, 1729, 1730, 2748, 3476.

## H

HARBORS, 3073.

HARDENING, 1123, 2177, 3589; *see also* Strain hardening.

HARDNESS, 98, 119, 512, 1689, 2165, 2863, 3564; test techniques, 1112, 1113, 2166, 2488, 2861.

HARMONIC analysis, 22, 49, 388, 3098, 3167, 3179; *see also* Fourier series.

HEAT TRANSFER: 181, 285, 293, 476, 521, 609, 618, 620, 673, 990, 1268, 1293, 1443, 1648, 1879, 2262, 2285, 2294, 2297, 2298, 2523, 2606, 2613, 2615, 2618, 2620, 2623, 2624, 2625, 2641, 2998, 3000, 3001, 3003, 3023, 3086, 3218, 3293, 3352, 3357, 3360, 3363, 3367, 3368, 3388, 3440, 3655, 3702, 3711, 3715, 3716, 3724, 3725, 3727, 3768, 3769, 3776, 3782, 4021, 4031 (*see also* June feat. art., pp. 233-234); *see also* Aerothermodynamics; Air conditioning; Boilers; Combustion; heat-transfer spectra in; Diffusion; thermal; Drying; Erosion; Freezing; Furnaces; Liquid metals; Snow; Thermal properties; Transport properties; Vaporization.

HEAT TRANSFER IN: boundary layer, 557, 1285, 1286, 1287; 1947, 2295, 3001, 3004, 3353, 3355; *see also* Transpiration cooling; flow, compressible, 844, 1635, 1640, 2295; turbulence, 1879, 2612, 3721, 4033, 4037; geophysics, 345, 358, 627, 3071, 3767, 3771, 4076; meteorology, 976, 1327, 1328, 1678, 2040, 3771, 4088, 4093, 4094.

HEAT: conduction, 157, 313, 314, 621, 622, 625, 627, 628, 931, 933, 934, 1040, 1146, 1147, 1202, 1270, 1271, 1272, 1277, 1291, 1299, 1531, 1628, 1629, 1630, 1631, 1833, 1834, 1947, 1951, 1952, 1960, 2223, 2224, 2288, 2289, 2290, 2291, 2561, 2596, 2607, 2608, 2772, 2992, 2995, 2997, 3011, 3345, 3346, 3347, 3348, 3354, 3358, 3587, 3602, 3716, 3718, 3719, 3722, 3914, 4016, 4017, 4018, 4019, 4022, 4036; convection, forced, 216, 217, 286, 304, 306, 307, 308, 309, 311, 312, 316, 317, 504, 610, 615, 616, 617, 623, 936, 1191, 1193, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1286, 1287, 1528, 1552, 1632, 1633, 1634, 1639, 1647, 1858, 1879, 1947, 1953, 1954, 1955, 2292, 2293, 2296, 2297, 2561, 2609, 2610, 2611, 2614, 2628, 2916, 3001, 3002, 3011, 3349, 3351, 3356, 3364, 3652, 3682, 3683, 3722, 3725, 3962, 4020, 4023, 4024, 4025, 4026, 4027, 4028, 4030, 4033, 4035; convection, free, 305, 311, 312, 316, 345, 358, 1147, 1277, 1282, 1286, 1678, 1956, 2027, 2294, 2609, 2998, 2999, 3068, 3356, 3724, 3726, 4018, 4019, 4023, 4033, 4081; radiation, 286, 346, 630, 937, 938, 943, 944, 1288, 1289, 1290, 1325, 1650, 1959, 1960, 1985, 1986, 1987, 2025, 2299, 2300, 2301, 2349, 2616, 2617, 2619, 2620, 3007, 3011, 3023, 3727, 3768, 3776; *see also* Radiation: solar; boiling, 1262, 1284, 2622, 3361, 3362, 4023; *see also* Bubbles, vapor; condensation, 310, 585, 619, 939, 975, 978, 1276, 1283, 2039, 2624, 2625, 2981, 3009, 3365, 3368, 3730, 4003, 4037.

HEAT: exchangers, 311, 312, 315, 628, 629, 800, 935, 942, 946, 1283, 1297, 1298, 1299, 1300, 1645, 1649, 1964, 2297, 2301, 2304, 2613, 2617, 2627, 2646, 2813, 3365, 3366, 3367, 3534, 3718, 3739; *see also* Air preheaters; Boilers; Cross-flow; Superheaters; pumps, 3714.

HEAT INSULATION, 626, 930, 1326, 1631, 4073.

HEAT TREATMENT, 126, 507, 2171, 3505, 3580, 3716.

HEATING, distance, 1848.

HEATING, electrolytic, 1840.

HELICOPTER, 241, 246, 251, 566, 913, 1188, 1581, 1582, 1907, 1908, 1909, 2221, 2249, 2933, 2956, 3202, 3302, 3306, 3661, 3959, 3988; rotor, 2929, 2934, 3490.

HELIUM, 1859, 3652.

HIGH-TEMPERATURE: alloys, 2155; behavior of materials, 101, 419, 510, 800, 1791, 2154, 2173, 2179, 2495; *see also* Metallurgical aspects of high temperature.

HIGH-TEMPERATURE MATERIALS, *see* Metallurgical aspects of high temperature.

HIGHWAY and runway constructions, 79, 1467, 1782, 2006, 2011, 2339, 3062, 3198, 3199, 4077.

HODOGRAPH METHODS, 184, 857, 1173, 2379, 3206.

HUMIDITY, 296, 346, 2629.

HURRICANES, 2350, 4083.

HYDRAULIC: control, 715, 3117, 3122.

HYDRAULICS: 89, 164, 165, 167, 168, 169, 170, 171, 423, 474, 837, 838, 1152, 1153, 1527, 1532, 1851, 1852, 1853, 2081, 2206, 2280, 2386, 2513, 2520, 2704, 2727, 2763, 2898, 2899, 2975, 3143, 3173, 3250, 3252, 3254, 3255, 3256, 3258, 3260, 3417, 3419, 3444, 3604, 3606, 3608, 3609, 3610, 3611, 3618, 3678, 3701, 3703, 3706, 3766, 3781, 3794, 3917, 3918, 3925, 3929, 3931, 3932, 3934, 3935, 4082; *see also* Backwater curves; Canals and rivers; Capillarity; Cavitation; Channels; Model of rivers, harbors, etc.; Orifices; Jets; Nozzles; Pipe resistance; Sprays, drop size, etc.; Streams, natural, flood flow; Surge tanks; Transport of dust, silt; Valves and gates; Viscosity: of fluids; Water hammer; Weirs, spillways.

HYDROCARBONS, 604, 926, 927, 1244, 1265, 1970, 2584, 2631, 2640, 2977, 3377, 3379, 3380, 3387, 3745, 4023, 4049, 4051.

HYDROFOILS, *see* Airfoils, hydrofoils.

HYDROPLANE, *see* Seaplanes and flying boats.

HYDROGEN, 1263, 3020.

HYSTERICIS, *see* Internal friction, hysteresis.

ICING, 235, 249, 895, 1221, 1291, 1292, 2038, 2345, 2559, 2993, 2997, 3352, 3354, 3359, 3363, 3424, 3733, 3736, 3737, 3738, 4015.

IGNITION, 297, 2313, 2319, 2641, 2647, 2666, 4049; of droplets, 3374; spontaneous, 927.

IMPACT, 13, 2095, 2686, 2743, 2760, 3140, 3141, 3921; *see also* Stress propagation; Water hammer; airplane landing, 989; *see also* Dynamic loads in airplane loading; on beams, 1026, 1395, 1721, 2096, 2395, 2753, 2759, 3822; measurement of, 1114, 1119; tests of materials, 1437, 1440, 1811, 1812; significance of, 1817, 2858, 3582.

IMPEDANCE method, 21, 951, 1305, 1308.

IMPELLERS, 2952, 3678.

IMPINGEMENT of water droplets, 895, 1221, 2560; *see also* Icing.

INCOMPRESSIBLE FLOW, 163, 174, 176, 177, 178, 228, 536, 541, 542, 825, 1154, 1251, 1281, 1529, 1532, 1533, 1562, 1859, 1861, 2208, 2210, 2211, 2227, 2525, 2526, 2527, 2538, 2540, 2544, 2547, 2558, 2565, 2590, 2600, 2901, 2914, 2916, 2923, 2924, 2937, 2950, 2965, 3256, 3265, 3266, 3267, 3268, 3278, 3315, 3357, 3603, 3605, 3617, 3663, 3678, 3724, 3725, 3926, 3975, 4030; *see also* Airfoil, oscillating; Cascades of airfoils; Cavitation; Channels; Drag and lift; Jets; Nozzles; Orifices; Pipe

## SUBJECT INDEX TO APPLIED MECHANICS REVIEWS, VOL. 7, 1954

INTERFERENCE and coupling, aerodynamic, *see* Aerodynamic interference.  
 INTERNAL FRICTION: hysteresis, 29, 493, 507.  
 INTERPOLATION, 386, 2064, 3799.  
 IRON, 125, 505, 507, 802, 804, 1035, 1119, 2182, 2489, 3892; *see also* Cast iron.  
 IROTONAL flow, *see* Potential flow.  
 IRREVERSIBLE processes, 181, 289, 917, 918, 919, 920, 1258, 1622, 2283, 2595, 2596, 2972, 3083, 3334.  
 ITERATION, 7, 252, 689, 738, 996, 1367, 1770, 2208, 2376, 3095, 3455, 3814.

## J

JET ENGINES, 220, 267, 298, 303, 327, 328, 952, 978, 1234, 1236, 1595, 1596, 1652, 2175, 2258, 2260, 2261, 2263, 2582, 3330, 4036; *see also* Afterburner.  
 JET-PROPELLED aircraft, 897, 1085, 1227, 1782, 1902, 3199, 3332.  
 JETS: compressible flow, 279, 420, 978, 2259, 2908, 3261, 3633; incompressible flow, 176, 326, 811, 1172, 1236, 1528, 1618, 1647, 2515, 2516, 2522, 2524, 3014, 3396, 3618, 3941; *see also* Orifices; Nozzles.  
 JOINTS, 465, 1448, 1451, 2786; fatigue strength of, *see* Fatigue strength of joints; gusseted, 991; nailed, in wood, *see* Timber connections; riveted, bolted, 2855, 3233, 3532; strength and efficiency of, 1073.  
 JOINTS AND JOINING methods, 2428; *see also* Adhesives; Brazed and soldered; Crack propagation; Elasticity; Fatigue strength; Piping joints; Stress distribution; Welds.

## K

KINEMATIC geometry, 3460; *see also* Descriptive geometry; Linkages.  
 KINEMATICS, 12, 18, 58, 696, 1010, 1378, 1379, 1710, 1712, 2072, 2075, 2378, 2383, 2744, 3107, 3111, 3460, 3462, 3463, 3465, 3466, 3508, 3800, 3806; *see also* Gears, Linkages.  
 KINETIC theory, 292, 1623, 1628, 2503, 2531, 3340, 3368, 3712, 4014, 4034.  
 KINETICS, *see* Mechanics, general.  
 KNOCK, 2645, 3398, 3751, 4061, 4062.

## L

LAGMENAR FLAME, *see* Flame: laminar.  
 LAMINAR FLOW, 305, 306, 309; *see also* Viscous flow; laminar.  
 LAMINAR MIXING, 1610.  
 LAMINATES, 818, 1427, 1483, 1813, 1966, 2428, 2876, 3531.  
 LAMINATES, glass-fabric-base, 143, 144, 145, 146.  
 LANDING AND TAKE-OFF of airplanes, 246, 897, 1218, 1404, 1612, 2098, 2555, 2836; *see also* Dynamic loads in airplane landing.  
 LANDING-GEAR structures, 989.  
 LANDSLIDES, 639.  
 LAPING, *see* Grinding.  
 LEAD, 1097, 1124, 1799, 3212.  
 LIFT and drag, *see* Drag and lift.  
 LIGHTHOUSES, 3253.  
 LIMIT ANALYSIS, *see* Limit design.  
 LIMIT DESIGN, 96, 104, 109, 2004, 2848, 3192, 3855; in plate and shell theory, 768, 2470; in structures, 778, 1446, 1474, 2469, 3865 (*see also* Jan. feat. art., pp. 1-2; Oct. feat. art., 421-423); of beams, 1796, 1797, 2733.  
 LINEAR programming, 3798.  
 LINKAGES, 393, 697, 983, 1010, 1379, 1600, 1710, 2070, 2071, 2074, 2076, 2382, 3111, 3463.  
 LIQUID level indicator, 2591.  
 LIQUID METALS, 311, 312, 935, 1231, 1278, 1280, 1943, 2292, 2988, 3218, 3236.  
 LIQUIDS: separation of, 2984; supercooled, 1643, 2605; theory of, 293, 318, 661, 1176, 1177, 1623, 1655, 2199, 2336, 2604, 2605, 2983, 3342; *see also* Compressibility of liquids.  
 LITHIUM, 2287.  
 LOAD DISTRIBUTION, 246, 880, 881, 1563, 2920, 3662; *see also* Airfoils, Aeroelastic effects, wings, etc.  
 LOADING, 3501.  
 LOADS, maneuvering, airplane, 247, 1567.  
 LOCOMOTIVES, 1965, 3510.

LOW TEMPERATURE: behavior of materials, 511, 808, 932, 3211; corrosion and deposits, 3025; material test technique, 3211; physics of, 808, 917, 1294, 1440.  
 LUBRICATION, 1, 365, 523, 749, 980, 984, 1344, 1347, 1350, 1490, 2300, 2562, 2717, 2718, 3074, 3077, 3079, 3775, 3776; *see also* Bearings; Wear; boundary, 609, 3435, 4098; film, 364, 2361, 4096, 4098; foaming, 2364; measurement, 3438; oil whip, 1684; with solid lubricants, 1354, 4097, 4098; *see also* Molybdenum disulfide.  
 LUBRICANTS, 2363, 2721, 2724, 2725.  
 LUBRICATING OILS, properties of, 2722.

## M

MACHINABILITY, 155, 1140; of materials, 1835, 3593.  
 MACHINE DESIGN, 681, 1378, 1379, 1513, 2070, 2381, 2953, 3579, 3591.  
 MACHINE ELEMENTS, *see* Beams, Cables; Rods; Shafts; Springs; etc.  
 MACHINING OF: metals and other materials, *see* Cutting; Grinding; Drilling; Machinability; Milling; Turning; Tools; radioactive materials, 3912.  
 MACHINING STRESSES, 3916.  
 MAGNESIUM and magnesium alloys, 129, 2493, 2494, 2510, 3581.  
 MAGNETIC cooling, 2285.  
 MANEUVERING loads, *see* Loads, maneuvering, airplane.  
 MANOMETERS, 4007.  
 MARINE ENGINEERING, 265, 369, 1441, 1687, 2570, 2727, 2728, 2811, 3080, 3082, 3442, 3443, 3679, 3775; *see also* Directional control of ships; Propellers; Resistance of ships; Seaplanes and flying boats; Ship: propulsion; Stability of ships.  
 MARINE PROPELLERS, *see* Propellers, marine.  
 MASS TRANSFER, 181, 941, 975, 1202, 1293, 1295, 1296, 1528, 1646, 1666, 1967, 2303, 2623, 2972, 3008, 3350, 3360, 3364, 3368, 3369, 3370, 3721, 3731, 3732, 3734, 3735, 4024, 4028, 4032; *see also* Heat: convection, forced.  
 MATERIAL TEST techniques: 133, 137, 468, 750, 798, 1114, 1405, 1667, 1806, 1809, 1995, 2166, 2168, 2170, 2184, 2185, 2186, 2856, 2863, 2864, 3223, 3224, 3536, 3896, 4068; *see also* Acoustic; Bending, shear and other static tests; Compression; Corrosion; Creep; Fatigue test; rotating beam; Hardness; High-temperature; Impact; Low-temperature; Nondestructive testing; Multiaxial stress; Optical flow testing; Soil; Ultra- and infrasonics; Wear.  
 MATERIALS, brittle: properties of, 3586.  
 MATHEMATICAL METHODS, 672, 674, 675, 691, 2057, 2101, 3086, 3087, 3781, 3783, 3792; *see also* Analogies; Approximations, successive; Boundary-value problems; Computing machines; Conformal mapping; Dimensional analysis; Eigenvalue problems; Equations; Error theory; Fourier series; Harmonic analysis; Integration; Instrument engineering; Interpolation; Matrix vector and tensor methods; Measurement methods; Nomograms; Numerical analysis; Operational methods; Perturbation methods; Phase, plane; Relaxation methods; Special functions; Stability theory; Statistical data analysis; Tables; Variational principles.  
 MATRIX, vector, and tensor methods, 18, 40, 186, 373, 1001, 1041, 1697, 2059, 2370, 2371, 2439, 2442, 2798, 2829, 3070, 3095, 3451, 3455, 3507, 3781, 3825, 4017.  
 MEASUREMENT METHODS, 159, 2068, 2302, 4082; *see also* under appropriate modifier.  
 MEASUREMENT OF: acceleration, area, flow, force, pressure, torque, viscosity, volume, *see* under appropriate modifier.  
 MECHANICAL PROPERTIES of specific materials, *see* Aging; Aluminum and aluminum alloys; Bending, shear; Brittleness, ductility; Cast iron; Ceramic materials, Cold-work; Compression; Concrete and masonry; Copper and copper alloys; Corrosion; Creep; Crystals; Elastic constants; Failure; Fatigue; Fibers and fabrics; Friction; Glass; Hardness; Heat treatment; High-temperature; Impact; Multiaxial stress; Magnesium and magnesium alloys; Materials, miscellaneous; Notch sensitivity; Plastics; Rubber; Sandwich materials; Steel; Temperature effects; Tension; Torsion; Welds; Wood, timber and plywood.  
 MECHANICS, 12, 14, 15, 16, 17, 395, 396, 673, 676, 695, 1217, 1331, 1381, 1382, 1383, 1709, 2738,

MECHANICS (*continued*)  
 2742, 2743, 2746, 3107, 3300, 3461, 3794, 3801, 3802; *see also* Dynamical systems; Energy methods; Newtonian attraction; celestial, 180, 1017, 3465.  
 MECHANISMS, 2365, 2380, 2437, 3806.  
 MELTING: under high pressure, 1943, 2046.  
 MEMBRANES, membrane theory, 59, 717, 754, 1062, 1749, 1750, 2128, 2446, 3165, 3815, 3816, 3848, 3886; *see also* Plates and shells; porous, 2984.  
 MERCURY, 2612.  
 METALLURGICAL aspects of high temperature, 800, 807, 922, 1030, 1126, 1264, 1266, 1488, 1627, 1820, 1989, 2156, 2172, 2175, 2258, 2490, 2627, 2845, 2846, 2867, 3535, 3583, 3892 (*see also* Jan. feat. art., pp. 1-2).

METALS, 131, 493, 786, 2988, 3569, 3579, 3595.  
 METALS: creep properties of, 787, 2154; physical properties, 511, 512, 794, 802, 808, 1096, 1101, 1109, 1126, 1140, 1141, 1689, 1803, 1804, 1808, 2157, 2173, 2182, 2287, 2486, 2490, 2600, 2844, 2866, 2868, 2987, 3213, 3219, 3223, 3568; specific heat of, 599; theory of, 3568.  
 METEOROLOGY, hydrology, 345, 476, 2039, 2344, 2898, 2981, 3069, 3070, 3071, 3126, 3604, 3716, 3736; *see also* Atmosphere; Cloud physics; Cyclones; Diffusion; Gust loads on airplanes; Hurricanes; Icing; Meteorological; Precipitation; Psychrometry; Snow; Stratosphere; Vortex motion; Weather forecasting.  
 METEOROLOGICAL dynamics, 210, 349, 350, 352, 354, 356, 538, 655, 656, 657, 658, 671, 859, 977, 979, 1328, 1329, 1330, 1332, 1333, 1334, 1335, 1680, 1681, 2026, 2027, 2028, 2030, 2031, 2033, 2038, 2346, 2349, 2451, 2706, 2708, 2710, 2713, 2714, 2715, 3420, 3421, 3423, 3424, 3425, 3427, 3428, 3769, 3770, 3771, 3772, 3774, 4015, 4083, 4084, 4086, 4089, 4091, 4092; heat transfer, *see* Heat transfer in: meteorology; hydraulics, 964; instruments, 1326, 1330; measurements, 278, 329, 359, 360, 362, 2248, 2268, 2269, 3072, 3420, 3421, 4087, 4092; turbulence, 356, 656, 976, 1327, 2028, 2233, 2709, 2712, 2713, 3422, 3768, 3769, 3771, 4085, 4087, 4090.  
 METHANE, 2639, 2640, 2653, 2674.

MILLING, 31, 161, 520, 820, 824, 1511, 1839, 2195, 2886, 2890, 3906; *see also* Cutting; Forming processes.  
 MISSILES, 300, 891, 1575, 1597, 2279, 3045.  
 MODEL STUDIES, 2957; *see also* Analogies; Furnaces; model flow test in.  
 MODEL: studies of structures, *see* Structural models; of rivers, harbors, etc., 363, 833, 1157, 1158, 1254, 1255, 1517, 1527, 1851, 2205, 2206, 3251, 3252, 3253, 3606.

MOLDING, *see* Casting.

MOLYBDENUM, 132, 510, 2182, 2495, 3535.

MOLYBDENUM: disulfide, 3439.

MULTIAXIAL STRESS: properties of materials under, *see* Plastic flow under multiaxial stresses.

## N

NAVIGATION, 2741, 2942.  
 NEON, 3371.  
 NEWTONIAN attraction, 702, 3112.  
 NITROGEN, 310.  
 NOISE: 3103, 4069, 4071, 4073; *see also* Acoustics; of airplanes, 1652, 3399, 3400, 3401, 3404, 3760; of machinery, 3405, 3408.  
 NOMOGRAMS, 2067.  
 NONDESTRUCTIVE testing of materials, 2844, 2861, 3887; *see also* Acoustics tests.  
 NONEQUILIBRIUM thermodynamics, *see* Thermodynamics: nonequilibrium.  
 NON-NEWTONIAN fluids, 108, 1103, 2841.  
 NOTCH: effect, 1044, 1787, 1812, 2423, 2849, 3160, 3222, 3234; sensitivity, 439, 501, 803, 1477.  
 NOZZLES, 608, 830, 843, 1549, 2275, 2642, 3320; *see also* Turbine; nozzles; compressible flow, 195, 547, 553, 1190, 1640, 2260, 2955, 3636.  
 NUCLEAR power plant, 311, 3999.  
 NUCLEAR RADIATION: effect on materials, 120.  
 NUMERICAL ANALYSIS, 379, 380, 386, 426, 1000, 1005, 1343, 1357, 1704, 1719, 1750, 1813, 2060, 2061, 2065, 2380, 2399, 2423, 2739, 3086, 3094, 3095, 3789, 3847, 3866, 3959, 4022; *see also* Curve-fitting techniques; Iteration; Interpolation; Relaxation methods.  
 NUMERICAL WEATHER forecasting, *see* Weather forecasting.

**O**

OCEAN: currents, 659, 1339, 1931, 2041, 2043, 2353, 3073, 3431, 3928; level, 974; tides, 973, 2353, 2354, 3431; waves, 1339, 3145, 3698. OCEANOGRAPHY, 340; *see also* Ocean: currents, level, tides, waves.

OLE: heavy fuel, 369, 801, 1988, 1990, 2723, 4013; lubricating, 365, 3077.

OPERATIONAL methods, 1359, 1368, 3093, 3459, 3485 (*see also* Nov. feat. art., pp. 469-470); *see also* Transforms.

OPERATIONS research (see March feat. art., pp. 89-93); *see also* Dynamic programming; Game theory; Linear programming.

OPTICAL FLOW testing, 274, 275, 284, 591, 592, 593, 595, 912, 914, 1179, 1255, 1614, 1618, 1934, 2209, 2219, 2255, 2585, 2665, 2673, 2675, 2958, 2959, 3322, 3323, 3438, 3622, 3692, 3694, 3756, 4006.

OPTICAL TECHNIQUES: for acoustical measurement, *see* Acoustic measurements, optical methods; for combustion, *see* Combustion: optical methods; for temperature measurement, *see* Temperature measurement: optical methods.

ORIFICES, 1304, 2201, 4001.

OSCILLATING airfoil, *see* Airfoil, oscillating.

OXYGEN, 310, 1626.

**P**

PANELS, 2139, 2145; flat or curved, 443, 819, 1757, 2148, 3183, 3482, 3584; stiffened, *see* Plates, stiffened.

PARACHUTES, 872, 1584.

PARALLELEPIPED: elastic, 3149.

PARTIAL differential equations, *see* Equations: differential partial.

PAVEMENTS, *see* Highway and runway constructions.

PEENING, 1441.

PENDULUMS, 23, 390, 407, 2077, 3108.

PENSTOCK, 3257.

PERFORMANCE: airplane, 221, 770, 874, 875, 894, 1220, 1572, 1907, 2248, 3304, 3305, 3325, 3989; helicopter, 913, 3307.

PERMEABILITY: of soils, *see* Soil properties, physical; of structures, 1295.

PERTURBATION methods, 282, 2368; of compressible flow, 268, 3948, 3951, 3952.

PETROLEUM deposits, *see* Reservoir engineering.

PHASE changes, 1262.

PHASE PLANE, in solution of differential equations, 1384, 2079, 2738, 3114.

PHOTOELASTICITY: 46, 437, 438, 736, 1353, 1479, 1480, 1744, 1745, 2107, 2109, 2170, 2780, 2781, 2782, 3500, 3501, 3833, 3834, 3835, 3836; *see also* Photoplasticity; Plasticity, experimental techniques in; Stress, frozen.

PHOTOELASTIC MATERIALS, 1824; three-dimensional, 3156, 3832; two-dimensional, 3155.

PHOTOGRAPHY, high-speed, 2674, 2815, 3695.

PHYSICS: experimental, 1374; mathematical, 13, 672, 2057.

PHYSICAL SYSTEMS, connection of, 675.

PILES, 649, 650, 651, 969, 1029, 1452, 1669, 1670, 1732, 1779, 1780, 2013, 2015, 2016, 2152, 2340, 2341, 2342, 2447, 3051, 3052, 3054, 3833.

PIPE: flexibility, 2122.

PIPE FLOW: 208, 260, 562, 835, 1154, 1156, 1163, 1164, 1274, 1278, 1293, 1518, 1535, 1875, 2200, 2202, 2227, 2296, 2609, 2610, 2611, 2900, 3000, 3259, 3269, 3285, 3603, 3725, 3920, 3969, of solids and suspensions, *see* Concrete flow in pipes; Pulp movement, theory of; resistance, 3607.

PIPES, 1518, 1519, 1525, 3167.

PIPES AND TUBES: composite, 3523, 3524; under internal and external pressure, 743, 797, 1038, 1050, 1060, 1412, 1438, 1848, 3167, 3533, 3546.

PIPING, 2867; joints, 3856; systems, 2123.

PISTONS, 2953, 3273.

PLASTIC flow: 1787, 1792, 2160, 2447, 2493, 2496, 2852, 3160, 3203, 3210, 3882; under multiaxial stress, 2163, 2496, 3176, 3561.

PLASTIC LOADING, *see* Yielding.

PLASTICITY, 105, 106, 455, 492, 495, 496, 497, 740, 743, 786, 1033, 1092, 1093, 1094, 1097, 1470, 1471, 1764, 1777, 1788, 1795, 1796, 1797, 2120, 2158, 2338, 2472, 2478, 2733, 2844, 3094.

PLASTICITY (*continued*)  
3562, 3569, 3570, 3825, 3839, 3850, 3875, 3878, 3880, 3915 (*see also* Jan. feat. art., pp. 1-2); experimental, 142, 2157.

PLASTICITY THEORY, 13, 95, 96, 107, 767, 780, 781, 782, 788, 2131, 2146, 2161, 2476, 2858, 3204, 3206, 3209, 3560, 3877; *see also* Creep; Crystalline structures; Dislocation theory; Ductility, Elasto-plastic flow; Energy method; Multiaxial stresses and strains; Plastic flow under multiaxial stress; Relaxation; Residual stresses; Temperature effect; Viscoelastic flow; Viscoplastic flow; Waves, plastic; Yielding.

PLASTICS, 518, 620, 811, 814, 815, 959, 1035, 1500, 1815, 1827, 1828, 2501, 2509, 2720, 3443, 3563, 3903.

PLATES, 35, 64, 66, 143, 144, 145, 439, 448, 460, 502, 751, 767, 1040, 1056, 1061, 1301, 1413, 1416, 1423, 1428, 1735, 1738, 1747, 1754, 1755, 1758, 2104, 2128, 2131, 2133, 2146, 2366, 2396, 2397, 2433, 2434, 2435, 2436, 2437, 2446, 2450, 2764, 2791, 2792, 2793, 2796, 2797, 2798, 2800, 2804, 2809, 2849, 3166, 2168, 3183, 3441, 3483, 3485, 3512, 3513, 3516, 3517, 3518, 3519, 3529, 3531, 3538, 3540, 3542, 3591, 3830, 3841, 3845, 3851, 3853, 3886; anisotropic, 1425, 1426, 1427; buckling of, 67, 459, 460, 461, 760, 761, 1079, 1356, 1435, 1436, 2148, 2446, 2450, 3181, 3184, 3195, 3515, 3519, 3529, 3530, 3850, 3851, 3853; circular, 1752, 1753; of varying thickness, 451, 452, 453; orthogonal anisotropic, (orthotropic), 61, 1425, 1426, 3164, 3514, 3538.

PLATES, skew, 2131.

PLATES, stiffened, *see* Vibration of plates.

PLATE AND SHELL THEORY, 729, 754, 1694, 2129, 2132, 2795, 2801; *see also* Anisotropic media; Bending, Disks; Elastic foundations; Energy methods; Membranes; Panels; Relaxation methods; Sandwich materials; Yielding.

PLATES AND SHELLS: beyond the elastic limit, 753; thin, 453, 454, 752, 1063, 1064, 1065, 1066, 1072, 2130, 3515; *see also* Membranes, membrane theory.

PLATING, 3585; *see also* Coating.

POLYMERS, 116, 494, 516, 1501, 1794, 2475, 3237, 3563; *see also* Plastics.

POLYNOMIAL, 1367; fitting, 4.

POPPET valve, 3317.

PORE PRESSURE, *see* Seepage.

POROSITY, 3927.

POOROUS MEDIA, flow through, *see* Flow of fluids through porous media.

POTENTIAL FLOW, 179, 253, 258, 539, 2217, 2525, 3315, 3618, 3677, 3937, 3948; compressible, 549, 899, 2241, 3281, 3647; incompressible, 176, 549, 829, 840, 1162, 1856, 1861, 2524, 2550, 3268, 3621, 3942.

POTENTIAL THEORY, 3091.

POWER PLANTS, 1705; marine, 2944, 2945; nuclear, *see* Nuclear power plants; stationary, 922, 2284, 2944, 2947; steam, 2275, 3230, 3319.

POWER spectra, 3103.

PRECIPITATION, 362, 2344; gages, 278.

PRESSES, 817, 1836, 1837, 2889.

PRESSURE DISTRIBUTION: compressible flow, 250, 2241; on wings, 880, 881, 892, 893, 1213; *see also* Wings.

PRESSURE: measurements, 266, 267, 270, 323, 590, 909, 1247, 1602, 1924, 1925, 2256, 2267, 2268, 2269, 2691, 3072, 3324, 3329, 3330, 3498, 3712, 3971; recovery, 259; tests, 1667.

PRESSURE VESSELS, 472, 1050, 1264, 1266, 1722, 2411, 2412, 2788, 3172, 3520, 3831, 3895; *see also* Flanges; Pipes and tubes under internal and external pressure.

PRESTRESSED: concrete, 71, 78, 135, 136, 473, 513, 771, 772, 773, 1454, 1456, 1458, 1459, 1773, 1775, 2452, 2453, 2454, 2773, 2820, 2821, 2822, 2824, 2826, 2850, 2851, 2865, 2873, 3197, 3257, 3547, 3552, 3553, 3554, 3555, 3576, 3871; members, 473, 741, 767, 1455, 1774, 2427, 3550, 3551, 3558; steel, 2855, 2859, 3542, 3553.

PROBABILITY, 11, 389, 429, 3467; *see also* Statistical theory.

PROCESS control, 2079.

PROJECTILES, 572, 891, 3047; *see also* Aerodynamic coefficients of projectiles; Trajectories.

PROJECTILE and fuselage theory, 1578.

PROPAGATION of cracks, *see* Crack propagation.

PROPANE flame, *see* Flame: propane.

PROPELLANTS, 300, 331, 2265, 2647, 3689.

PROPELLERS, 1239, 1240, 1291, 1992, 2255, 2535, 3684, 3994; airplane, 255, 894, 899, 1188, 3883; marine, 368, 2774, 3777; pump, 574.

PSYCHROMETRY, 4039.

PULP MOVEMENT, theory of, 394.

PUMPS, 260, 261, 262, 574, 835, 904, 1228, 1229, 1230, 1522, 2204, 2251, 2252, 2952, 3262, 3314, 3680, 3995, 3997; for liquid metal, 1231.

**Q R**

QUENCHING, 2648, 4040.

RADIATION: heat, *see* Heat, radiation; of light, 1324, 1957; pressure, 2619, 3032; solar, 3005; thermal, *see* Heat radiation.

RADIOACTIVE ISOTOPES: for flow-rate measurement, 2962.

RADIOACTIVE MATERIAL: machining of, *see* Machining of: radioactive materials.

RADIOACTIVE TRACER methods, 836, 3692.

RAILS, 791, 3154.

RAINDROPS, 975, 2345, 3428; *see also* Drops and composite liquids.

RAINFALL, *see* Precipitation.

RAMJETS, 220, 298, 1239, 2574, 2575, 3392, 3745, 3749; *see also* Jet engines.

RAREFIED GASES, 182, 183, 1194, 1870, 2583, 2979; resistance in, 2930.

RAYLEIGH's principle, 1356.

REACTION kinetics, *see* Combustion: reaction kinetics.

RECIPROCITY theory, 3495.

REDUNDANT STRUCTURES, *see* Structures: statically indeterminate.

REFLECTION, *see* Interface phenomena.

REFRACTION, *see* Interface phenomena.

REFRACTORIES, 1128, 1990, 1991, 2188, 3236.

REFRIGERATION, 317, 597, 598, 2275; *see also* Freon.

REGENERATORS, *see* Air preheaters; Heat exchangers.

REINFORCED CONCRETE, 73, 74, 75, 76, 77, 81, 82, 87, 88, 139, 470, 471, 475, 476, 740, 753, 758, 757, 767, 771, 772, 789, 1080, 1081, 1082, 1084, 1413, 1430, 1453, 1457, 1459, 1460, 1465, 1755, 1773, 1776, 1777, 1826, 2147, 2149, 2417, 2820, 2825, 2852, 3196, 3200, 3547, 3548, 3549, 3555, 3576, 3797, 3886.

RELATIVISTIC thermodynamics, *see* Thermodynamics: relativistic.

RELATIVITY, theory of, 9, 596, 705.

RELAXATION, in plasticity and rheology, 141, 1794, 2333, 2471, 2473, 2877, 3208, 3335, 3902; *see also* Creep.

RELAXATION METHODS: 5, 46, 543, 1343, 1402, 1592, 2366, 3094, 3280, 3789.

RESERVOIRS, 86, 89, 2995.

RESERVOIR ENGINEERING, 664, 1854, 2005, 2047, 2803; *see also* Geophysics.

RESIDUAL stress and strain, *see* Strain and stress: residual.

RESINS, 2818.

RESISTANCE of ships, *see* Ship: resistance.

RESPONSE of systems, 20, 565, 714, 1217, 1574, 1718, 1719, 2391, 3117, 3118, 3119, 3120, 3126, 3127, 3128, 3130, 3459, 3467, 3470, 3471, 3660, 3810; *see also* Chemical plant: frequency-response analysis.

RETARDED control, 398.

RHEOLOGICAL measurements, 116, 440, 494, 782, 1096, 1100, 1101, 1107, 1476, 1482, 1484, 2157, 2479, 3879.

RHEOLOGY, 95, 99, 103, 104, 492, 495, 784, 1028, 1091, 1095, 1116, 1145, 1147, 1793, 1795, 1798, 2158, 2162, 2164, 2408, 2477, 2496, 2502, 2840, 2841, 2842, 2871, 2872, 3171, 3207, 3208, 3211, 3525, 3565, 3567, 3568, 3595, 3825, 3904, 3905; *see also* Internal friction, hysteresis; non-Newtonian fluids; Plasticity; distribution functions, 1102.

RIGID-BODY motion, 688, 699, 1021, 1331, 1562; *see also* Gyroscopic.

RINGS and arches, *see* Frames and bents.

RIVERS, *see* Canals and rivers.

ROAD beds, *see* Highway and runway construction.

ROCK, 42, 1495, 2017, 2875, 3257.

ROCKET engines, 277, 301, 1579, 1972, 1981, 2259, 2265, 3690; *see also* Jet engines; Ramjets; Rockets.

ROCKETS, 220, 263, 264, 271, 298, 299, 331, 581, 705, 706, 898, 1235, 2264, 2576, 2670, 2696, 3387, 3421, 3465, 3688, 4047; *see also* Jet engines; Ramjets; Rocket engines; Space stations; Spin recovery; photon, 1237.

## SUBJECT INDEX TO APPLIED MECHANICS REVIEWS, VOL. 7, 1954

RODS, 52, 445, 1420; *see also* Bars; Beams.  
 ROLLING, *see* Drawing, extruding, rolling.  
 ROPEs, *see* Cables.  
 ROTAMETER, 2961, 4008.  
 ROTATING CYLINDER, 396, 408.  
 ROTATING DISKS, *see* Disks, rotating.  
 ROTATIONAL flow, *see* Vortical flow.  
 RUBBER, 99, 141, 517, 1074, 1131, 1132, 1133, 1134, 1135, 1496, 1811, 1815, 2502, 2503, 2597, 2598, 2877, 3238, 3902; synthetic, 2728, 2878.  
 RUDDER design, 2729.  
 RUDDERS, marine, *see* Directional control of ships.  
 RUNWAYS, *see* Highway and runway construction.

**S**

SAMPLING OF DATA, *see* Statistical data analysis.  
 SAND, 283, 972, 2006, 2884; water saturated, 1666, 3414.  
 SANDWICH CONSTRUCTIONS, 740, 756, 1759.  
 SANDWICH MATERIALS, 756, 1761, 1763, 2876; plates or shells of, 449, 1072, 2436.  
 SAWING, 1841, 2363, 3244; *see also* Wood, timber, and plywood.  
 SCALE EFFECT, wind-tunnel, *see* Wind-tunnel corrections.  
 SCAVENGING, 2908, 3317, 3998.  
 SCHILLEREN, *see* Optical flow testing.  
 SCREWS, How through, 178.  
 SCREWS, 159, 3834.  
 SEAPLANES and flying boats, 273, 888, 1564, 1583, 2098, 3778.  
 SECONDARY FLOW, 258, 843, 1163, 1164, 1165, 1933.  
 SEDIMENTATION, 84, 85, 86, 169, 170, 171, 283, 339, 530, 595, 652, 653, 654, 1158, 2898, 3922, 4080, 4081.  
 SEEPAGE, filtration, 955, 972, 1319, 1320, 1523, 2018, 2705, 3048, 3056, 3066, 3067, 3417, 3605, 3766, 3924, 3925, 3926, 4077.  
 SEISMOLOGY, 36, 37, 38, 39, 341, 342, 343, 1337, 1338, 1401, 1674, 1675, 2044, 2356, 3433, 3434.  
 SEISMIC INSTRUMENTS, 2001.  
 SEMICONDUCTORS, 624, 3568.  
 SERIES expansion, 6, 1007, 2061; *see also* Harmonic analysis.  
 SERVOMECHANISMS, *see* Control mechanisms.  
 SETTLEMENT of soils, *see* Bearing capacity and settlement of soils.  
 SHAFTS, 58, 720, 744, 1025, 1044, 1052, 1630, 2125, 2728, 2757, 3476; *see also* Beams; Center of twist; Torsion.  
 SHEAR: strength of soils, 2696; *see also* Bending shear; Center of; Tension-field webs.  
 SHEET-STRINGER panels, 62; *see also* Plates, stiffened.  
 SHELLS, 2, 33, 59, 65, 71, 456, 457, 1058, 1352, 1358, 1429, 1430, 1431, 1722, 1748, 1749, 1751, 2103, 2106, 2128, 2133, 2138, 2151, 2438, 2439, 2441, 2442, 2470, 2761, 2780, 2785, 2786, 2788, 2789, 2790, 2796, 2804, 2809, 2827, 3169, 3171, 3172, 3173, 3520, 3521, 3837, 3847, 3886, 3908, 4001; *see also* Membranes, membrane theory; buckling of, 755, 1762, 2805, 3180; vibrations of, *see* Vibrations; flanged, 1057, 3170; *see also* Piping systems; thick, 63; thin, 1067, 1068.  
 SHIP, 2745, 3441; building, 2052; control, *see* Directional control of ships; fluid resistance of, *see* Ship resistance; hulls, vibration of, *see* Vibration of ship hulls; and machinery defects, 4104; model experiments, 273, 366, 915, 1256, 2048, 2051, 2053, 3081; motion, 1686; propulsion, 368; resistance, 366, 1256, 1580, 1685, 1688, 2049, 2726, 3081, 4101; stability, 2049, 3444, 4102, 4103, 4104; structures, 367, 985, 986, 2730, 4102; tests, 2050, 3441; welded, 3779.  
 SHOCK: *see also* Impact; tube, 2216, 3272, 3954; waves, 33, 185, 190, 192, 193, 196, 197, 199, 200, 201, 218, 424, 528, 554, 845, 846, 851, 852, 855, 864, 1178, 1306, 1402, 1403, 1603, 1653, 1690, 1874, 1878, 1881, 2214, 2215, 2217, 2219, 2228, 2306, 2308, 2309, 2310, 2528, 2529, 2530, 2531, 2532, 2533, 2660, 2661, 2665, 2666, 2904, 2905, 2906, 2907, 2975, 3084, 3270, 3271, 3272, 3273, 3274, 3276, 3277, 3278, 3289, 3402, 3403, 3627, 3632, 3636, 3954, 3955, 3956, 3957, 3958.  
 SHRINK-FIT: stresses in, *see* Tubes; Pipes and tubes, composite; Strain and stress, thermal.  
 SILOS, 1084, 1460.  
 SILT, transport of, *see* Transport of dust, silt, etc.

SIMILARITY, *see* Dimensional analysis.  
 SIMILITUDE, *see* Dimensional analysis.  
 SKIN FRICTION: 196, 209, 217, 1279, 1633, 1634, 1636, 3001, 3288, 3619, 3625, 3657, 3958, 3967, 3971, 4020; *see also* Boundary layer; Drag.  
 SLENDER-BODY THEORY, 1541, 1899, 2558, 3937; *see also* Potential flow; Viscous flow.  
 SLIDEWAY, 2895.  
 SLIP AND SLIP packets, *see* Gliding, glide packets, slip.  
 SLOPE-DEFLECTION methods for structures, 3543.  
 SLOPES in soils, *see* Stability of slopes.  
 SMALL DISTURBANCE THEORY, *see* Perturbation of compressible flow.  
 SNOW, 964, 3348, 4094.  
 SOAP-BUBBLE METHOD, *see* Flame velocity.  
 SODIUM, 2600, 3236.  
 SODIUM D-LINE methods, 925, 2311, 2676.  
 SOIL: consolidation and stabilization, *see* Consolidation and stabilization of soils; experiments and tests, 478, 956, 961, 971, 972, 1666, 2016, 2017, 2698, 2699, 3762; failure, 957; irrigation, 957.  
 SOIL MECHANICS: 42, 82, 84, 85, 86, 172, 477, 641, 668, 955, 1318, 2004, 2132, 2340, 2700, 2701, 2703, 2839, 3053, 3055, 3056, 3060, 3412, 3415, 3416, 3926, 4075, 4077, 4078, 4079; *see also* Bearing capacity and settlement; Consolidation and stabilization; Drainage; Earth dams; Earth pressure; Piles, capacity; Sand; Seepage, filtration; Shear strength; Soil types and classifications; Soil properties: mechanical, physical; Stability of: slopes; Stress distribution; Tunnels and tunneling; Wells; bearing capacity and settlement, 2007; in mining, 1672; measurements in, 1317, 1665, 1668, 1670, 2009; shear strength, 960, 3413, 3764; stress distribution, 2013, 4074.  
 SOIL: moisture, 640, 964, 1314, 1323, 1666, 2008, 2337, 3765, 3767; pressure, *see* Earth pressure; properties, 634, 639, 642, 643, 644, 957, 958, 966, 967, 968, 1313, 1314, 1671, 1673, 2337, 2705, 3059, 3062, 4076; thermodynamics, 2003, 2996; types and classifications, 2002; water, 640, 829, 1320, 1321, 1340, 2011, 2996, 4076.  
 SOLAR: energy, 1325, 2301, 3005, 3006, 3714, 3728; furnaces, 3006, 3007, 3728; heating, 3005, 3006.  
 SOLDERING, *see* Brazing and soldering.  
 SOLID-STATE MECHANICS, *see* Solid-state physics.  
 SOLID-STATE PHYSICS, 93, 94, 120, 1481, 1625, 1803, 1804, 2853 (*see also* April feat. art., pp. 137-138; Dec. feat. art., pp. 517-519); *see also* X-ray techniques.  
 SOUND: absorption, 322, 1311, 2327, 2332, 2685, 2688, 3037, 3758; attenuation, 1661, 1662, 2328, 2683, 4072; fields, 3028; generation, 950, 1660, 3406; in fluids, 293, 3613; in water, 660, 1310, 3040; measurements and instruments, 322, 662, 1996, 2330, 4066; propagation, 329, 948, 1032, 1302, 1531, 1656, 1658, 1659, 1661, 1663, 1992, 1997, 1998, 1999, 3035, 3036, 3038, 3407, 4064; radiation, 2761, 3032, 3041; reflection, 2687, 3410; scattering, 330, 2684; theory of, 633; transmission, 3033; velocity, 318, 1302, 1307, 1994, 2330, 2336, 2691, 3031, 3035, 3036, 3042, 3757, 3821; waves, *see* Waves, acoustic; Sound propagation; Sound in fluids. *See also* Acoustics; Interface phenomena.  
 SOURCE AND-SINK METHODS: incompressible flow, 1171.  
 SPACE STATIONS, 706, 2746.  
 SPECIFIC HEAT, 1261, 1626, 2600, 3343; measurement of, 2600, 2601, 3720.  
 SPEED CONTROL, 3121.  
 SPHERE: hollow, 3828.  
 SPILLWAYS, *see* Weirs.  
 SPIN recovery, 2957, 3978.  
 SPINNING of fabrics, 1711.  
 SPRAY nozzle, 3375.  
 SPRAYS, drop size, etc., *see* Atomization.  
 SPRINGS, 446, 1053, 1397, 2124, 2809, 3505, 3506.  
 STABILITY, airplane, *see* Airplane stability.  
 STABILITY: elastic, *see* Buckling; *see also* Combustion; stability.  
 STABILITY of: bents, 2807; compressible flow, 2954, 3631; incompressible flow, 1861, 1917, 2954, 3269, 3944; *see also* Turbulence generation; ships, *see* Ship: stability; slopes, 967, 970, 972, 2700; surge tank, 2203.  
 STABILITY THEORY: 400, 721, 783, 2918; of buckling, 2366, 2451, 3181, 3182, 3566.  
 STABILIZATION: of soils, *see* Consolidation and stabilization of soils.  
 STALLING, 242, 243, 244, 578, 1207, 1222, 2949, 3313.  
 STALL warning, 242.  
 STANDARD atmosphere, *see* Tables.  
 STANDARDIZATION of limits and fits, 2817.  
 STATIC TESTS: significance of, *see* Bending: shear.  
 STATICALLY indeterminate structures, 69, 70, 72, 74, 762, 765, 768, 1050, 1075, 1770, 2422, 2452, 2833, 3491, 3539.  
 STATISTICAL: data analysis, sampling, 139, 149, 165, 166, 533, 655, 681, 682, 683, 685, 949, 1117, 1705, 1706, 1808, 2058, 2374, 2375, 2559, 2584, 2741, 3396, 3459, 3571, 3573, 3574, 3592, 3793, 3795, 3933, 4010 (*see also* March featt. art., pp. 89-93); mechanics, 834, 916, 2283, 2593, 2594, 2598, 3333, 3334, 3703, 3730, 3781, 3807, 4010; thermodynamics, 1620, 1621, 2283, 2597.  
 STATISTICAL THEORY: 332, 2375, 2747, 3016, 3125, 3467; *see also* Error theory; of failure, 3102, 3217; of turbulence, *see* Turbulence, statistical theory.  
 STATICS, general, 12, 2742, 3461, 3800.  
 STEAM, 602, 603, 939, 1942, 1961, 2039.  
 STEAM ENGINES, *see* Engines: steam.  
 STEAM POWER PLANTS, *see* Power plants: steam.  
 STEEL: 110, 112, 119, 121, 122, 123, 124, 125, 473, 502, 505, 510, 519, 799, 803, 804, 823, 938, 1093, 1120, 1121, 1122, 1123, 1140, 1148, 1342, 1443, 1519, 1800, 1806, 1816, 2078, 2173, 2174, 2176, 2177, 2178, 2489, 2830, 2843, 2847, 2856, 2858, 2869, 2870, 2882, 2887, 3187, 3223, 3230, 3231, 3342, 3571, 3593, 3861, 3887, 3907, 3908; stainless, 793, 3218.  
 STEERING: of single-track vehicles, 698.  
 STIFFENING, 3193.  
 STILLING basins, *see* Surge tanks.  
 STOICHIOMETRY, 2636.  
 STOKERS: spreader, 943, 944, 1982.  
 STRAIN: analysis by x-ray, 2108.  
 STRAIN AND STRESS: in elasticity, 44, 50, 430, 431, 434, 443, 1038, 1734, 1737, 1745, 1806, 1810, 2099, 2104, 2164, 2443, 2502, 2503; contact, 43, 1015, 1409, 1742, 2732, 3151, 3495; residual, 988, 1106, 1441, 2474, 2504, 2775, 2784, 3520; secondary, 3556; thermal, 2, 66, 109, 111, 1436, 1036, 1037, 1040, 1058, 1412, 1413, 1638, 1743, 2133, 2409, 2410, 2411, 2429, 2482, 2772, 3153, 3218, 3337, 3492, 3493, 3494, 3533, 3587, 3829, 3830, 3831, 4019.  
 STRAIN GAGES, 2111, 2112, 2419, 2773, 3221, 3331, 3498, 3820, 3840; electric, 2110, 2775, 2776, 2777, 2778, 3497, 3838.  
 STRAIN HARDENING, 102, 109, 3570, 3880.  
 STRATOSPHERE, 2343.  
 STREAM function, 2740.  
 STREAMS, natural, flood flow, 166, 526, 531, 533, 832.  
 STRESS ANALYSIS, experimental, 385, 488, 734, 735, 798, 915, 1046, 1406, 1479, 1480, 2050, 2107, 2108, 2138, 2170, 2362, 2419, 2420, 2471, 2487, 2493, 2777, 2779, 2783, 2787, 2966, 2967, 3094, 3141, 3154, 3155, 3157, 3190, 3297, 3498, 3499, 3501, 3502, 3837, 3839 (*see also* Jan. featt. art., pp. 1-2); *see also* Photoelasticity; three-dimensional, two-dimensional; Strain analysis, by x-ray; Strain gages: electric; Stress-concentration factors.  
 STRESS-CONCENTRATION factors, 764, 796, 1034, 1410, 1477, 1740, 1810, 2100, 2433, 2765, 2849, 3174, 3502.  
 STRESS, frozen, 2781, 3835.  
 STRESS PROPAGATION, 47, 2095.  
 STRINGS, vibration of, *see* Vibration of: beams, rods, strings, cables.  
 STROBOSCOPICS, 2271.  
 STRUCTURAL models, 1077, 1747, 1756, 3797, 3833, 3874.  
 STRUCTURES, 71, 73, 75, 76, 109, 464, 467, 485, 487, 513, 790, 1083, 1405, 1449, 2145, 2407, 2419, 2421, 2435, 2452, 2453, 2457, 2459, 2460, 2461, 2462, 2463, 2465, 2468, 2487, 2773, 2780, 2783, 2804, 2820, 2830, 2831, 2832, 2837, 2838, 2839, 2850, 2927, 3137, 3180, 3183, 3189, 3192, 3194, 3196, 3197, 3199, 3201, 3441, 3499, 3519, 3538, 3540, 3541, 3542, 3543, 3550, 3554, 3841, 3865, 3869; *see also* Airplane; Arches; Bridges; Buildings; Concrete; Cutouts; Dams; Energy methods; Foundations; Frames; Highway and runway constructions; Impact; Landing gear; Pressure vessels; Prestressed; Reinforced concrete; Sandwich materials; Slope deflection; Statically indeterminate; Structural models; Towers; Trusses; Vibration; Yielding; aircraft, 1085, 1086, 1087, 1088, 1089, 1090, 1121, 1783; amorphous, 2163, jointed, 70, 1295; minimum weight of, 3541; testing of, *see* Structural models; vibrations of,

**STRUCTURES** (*continued*)  
*see* Vibration of structures; welded, 2459, 2814; wooden, 2819, 3863.

**STRUTS:** *see* Column.

**SUCTION:** 259, 3968; *see also* Boundary layer; suction.

**SUPERCHARGER:** 800, 2948.

**SUPERHEATERS:** 2627.

**SURFACE:** finish, 147, 159, 160, 1143, 1151, 2765, 2845, 2862, 2895, 3885; methods for testing, 1151, 2069, 2862, 3879.

**SURFACE roughness:** in fluid flow, *see* Friction; in fluid flow.

**SURFACE:** tension, 606, 834, 2199, 2586, 2625, 2880, 2981, 2988, 3612, 3623, 3730.

**SURGE:** fronts, 2949; tanks, 1520, 1521, 1850, 2203, 2251, 3610, 3611, 3929, 3930, 3931, 3932.

**SUSPENSIONS:** 338, 339, 340, 1478, 1536, 3037, 3065, 3066; *see also* Transport of dust, silt, etc.

**SYNTHETIC rubber:** 141.

**SYPHON:** 534.

## T

**TABLES:** 11, 249, 255, 389, 684, 685, 1260, 1372, 1624, 1708, 2056, 2067, 2299, 2373, 2739, 3106, 3512, 3608, 3799, 4012.

**TABLES:** compressible flow, 1373; standard atmosphere, 4012; steam, 1260, 3707; water, 3707.

**TACHOMETER:** 1729, 1730; *see also* Stroboscopes.

**TAKE-OFF:** *see* Landing and take-off, of airplanes.

**TANKS:** 472, 3441, 3547.

**TELEVISION:** for light and x-ray pictures, 3696.

**TEMPERATURE:** effect in plasticity, 3569; effect of, in failure, 1743, 3569.

**TEMPERATURE MEASUREMENTS:** 284, 286, 287, 288, 302, 589, 630, 924, 1268, 1283, 1288, 1289, 1636, 1650, 1651, 1985, 2990, 2991, 2996, 3007, 3012, 3072, 3372, 3706, 3729, 3746, 4036, 4038, 4039; *see also* Flame temperature measurement; corrections, 1958; optical methods, 287, 316, 923.

**TEMPERATURE RECOVERY:** 3001, 3290, 3962.

**TENSION:** properties of materials, *see* Yielding.

**TENSOR methods:** *see* Matrix, vector, and tensor methods.

**Thermal:** conductivity, 293, 623, 624, 625, 626, 1269, 1948, 1949, 2287, 2601, 2615, 2772, 2993, 2994, 3343, 3344, 3717, 4019; diffusivity, 295, 1930, 1960, 2286, 3343, 3717; radiation, *see* Heat radiation; properties of materials, 317, 584, 661, 930, 932, 933, 1128, 1133, 1244, 1262, 1504, 1628, 2290, 2600, 2602, 2880, 2877, 2879, 2983, 2989, 2994, 3704, 3707, 3710, 4011, 4016, 4025; stress, *see* Strain and stress, thermal; shock, 1499.

**Thermocouples:** 288, 924, 2599, 2629, 3012, 3602, 3739, 4039.

**Thermodynamics:** cycles, 579, 945, 1257, 1258, 1267, 1588, 2266, 2284, 2568, 2571, 2572, 2575, 2576, 2577, 2578, 3319; measurements, 2974, 2977, 2978, 2983, 3713, 3720, 4039.

**Thermodynamics:** 181, 190, 220, 285, 596, 598, 607, 673, 841, 916, 929, 1260, 1268, 1309, 1619, 1625, 1946, 2263, 2275, 2280, 2283, 2304, 2305, 2365, 2571, 2593, 2594, 2595, 2596, 2598, 2599, 2603, 2604, 2606, 2623, 2635, 2636, 2972, 2973, 2975, 2976, 2981, 2985, 2986, 3086, 3107, 3208, 3333, 3334, 3335, 3336, 3337, 3338, 3341, 3702, 3709, 3710, 3711, 3712, 3730, 3732, 3772, 3781, 3782, 3905, 3946, 4009, 4010, 4040; *see also* Absorption; Adiabatic surface temperatures; Adsorption; Aerothermodynamics; Binary mixtures; Boilers; Combustion; Compressors; Dew point; Diffusion; thermal; Engines; Flame; Freezing point decrease; Gases; Heat transfer; Humidity; Irreversible processes; Jets; Kinetic theory; Liquids, super-cooled; Nozzles; Orifices; Phase changes; Refrigeration; Snow; Soil thermodynamics; Specific heat; Statistical; Thermal properties of materials; Thermodynamics; cycle, measurements; Transport properties; Turbines; nonequilibrium, 917, 918, 919, 920, 2592, 2971; phase changes, *see* Phase changes; relativistic, 1622, 2596.

**Thermoelectricity:** 1651, 2987, 3838; *see also* Thermocouples.

**thermosyphon:** 2998.

**THRUST** measurement, 271, 3325.

**Timber:** *see also* Wood; connections, 2498, 3159, 3185.

**Tire cord:** 1811.

**Titanium** and titanium alloys, 127, 467, 807, 1439, 1820, 2182, 2496, 2816, 3581, 3857, 4095.

**TOOLS:** 152, 469, 2896; carbide, 824, 1139, 2897; cutting, 156, 3911, 3916; *see also* Cutting; strength and life of, 822, 824, 2507, 3911.

**TOQUE:** converters, 2381, 2750; measurement, 3840.

**TORSION:** of shafts, beams, rods, 51, 440, 445, 2121, 2424, 3161, 3204, 3575, 3870.

**TORSIONAL** problems in elasticity, 45, 1034, 1043, 1044, 1051, 1052, 1053, 1059, 1155, 1392, 1416, 1417, 1445, 1766, 2105, 2121, 2143, 2145, 2417, 2767, 2768, 2809, 3158, 3174, 3496, 3526, 3826.

**TOWERS:** 2834, 3867, 3868, 3869.

**TOWING** tanks, *see* Ship; model experiments.

**TRAJECTORIES:** 397, 898, 1612, 2696, 3047, 3466; *see also* Projectiles; droplets, 2250, 3736.

**TRANSFORMS:** 686, 690, 728, 992, 1005, 1369, 1728, 2056, 3003 (*see also* Nov. feat. art., pp. 469-470); *see also* Operational methods.

**TRANSMISSIONS:** hydraulic, 3510.

**TRANSPERSION** cooling, 1285, 1286, 1287, 1639.

**TRANSPORT:** of dust, silt, 170, 171, 283, 652, 653, 654, 2023, 2024, 3923; by water, 170, 171.

**TRANSPORT PROPERTIES:** 921, 940, 1202, 1804, 1937, 1938, 1939, 1940, 1948, 1975, 2593, 3371, 4014, 4034; *see also* Diffusion of: gases; Kinetic theory; Thermal: conductivity; Viscosity.

**TRIAXIAL,** *see* Multiaxial.

**TRUSSES:** 71, 991, 1082, 1451, 2134, 2448, 2458, 2500, 2807, 3191, 3556, 3872.

**TUBES:** 2401, 2472, 3035, 3036, 3494, 3523, 3524, 3565, 3860, 3992; under internal and external pressure; *see* Pipes and tubes under internal and external pressure.

**TUNGSTEN:** 1486.

**TUNNELS AND TUNNELING:** 477, 478, 774, 828, 2019, 3173; *see also* Wind-tunnel.

**TURBINE:** blades, 256, 630, 903, 1285, 2608, 3676, 3683, 3994; vibration of, *see* Vibration of turbine blades; gears, 2745; nozzles, 1921; *see also* Nozzles; rotors, 3315.

**TURBINES:** 1592, 1922, 2362, 2580, 2752, 3319, 3682, 3686; centripetal, 2948; gas, 220, 265, 276, 277, 580, 945, 946, 1285, 1297, 1588, 1642, 1979, 1989, 2298, 2313, 2490, 2568, 2569, 2570, 2571, 2572, 2573, 2577, 2643, 2722, 2941, 2942, 2944, 2945, 2946, 2951, 3025, 3442, 3490, 3682, 3996; *see also* Transpiration cooling; hydraulic, 1853, 3471, 3685, 3918; steam, 694, 1267, 1588, 1914, 1915, 1916, 2490, 2578, 2722, 2943, 2944, 2945, 2951, 3679.

**TURBINES:** control of, 2752; starting of, 1914, 1915, 1916.

**TURBOGENERATOR:** 63.

**TURBOJETS:** 220, 298, 303, 901, 2946; *see also* Jet engines.

**TURBOMACHINES:** 256, 257, 576, 890, 900, 902, 1241, 1933, 2253, 2257, 2950, 3677, 3680.

**TURBULENCE:** 205, 208, 209, 308, 865, 1202, 1274, 1551, 1552, 1886, 2202, 2540, 2610, 2611, 2684, 2901, 2911, 2958, 3043, 3286, 3648, 3920, 3941, 3964, 3969, 3971, 4021; *see also* Boundary layer; transition and separation of; diffusion in, 206, 3285, 3734, 4089; experimental, 1891, 3254, 3255, 3972; generation and decay, 870, 2542, 2910, 4089; heat transfer in, *see* Heat transfer in turbulence; homogeneous, 3649, 3650; in compressible flow, 864, 870, 3967; *see also* Mixing; Wake theory; isotropic, 204, 210, 1550, 1889, 4045; measurements in, 281, 860, 1615, 1616, 1891, 2233, 2536, 2709, 3313; statistical theory, 204, 206, 207, 281, 326, 860, 861, 862, 1550, 1889, 1890, 2037, 2232, 2536, 2910, 2913, 3653, 3965, 3966, 4085; *see also* Autocorrelation; Correlation.

**Turbulent flame:** *see* Flame; turbulent.

**TURNING IN MACHINING:** *see* Cutting; copy, 158.

**TWINNING** of crystals, 2496.

**TWIST,** *see* Center of.

**TWISTING** of shafts, *see* Torsion of shafts.

## U

**ULTRA- AND INFRASONICS:** 114, 954, 1115, 1160, 1303, 1400, 1655, 1993, 1994, 1995, 2184, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2689, 2690, 2691, 2692, 3032, 3224, 3536, 3756, 3757, 3758, 4068 (*see also* Sept. feat. art., pp. 377-378).

**UNDERWATER sound:** *see* Sound in water.

**UNSTEADY FLOW:** 553, 854, 1245, 1866, 2204, 2251; compressible, 202, 203, 608, 856, 1539, 1595, 1877, 1910, 2217; incompressible, 1174, 1189, 1520, 1521, 1525, 1529, 1860, 2520.

**UNSTEADY MOTION:** flutter, at high speed, 241.

**UPPER atmosphere:** *see* Atmosphere.

**UPWASH:** *see* Downwash and upwash.

**URANIUM:** 128.

## V

**VALVES:** 553, 554, 1715, 2081, 2430, 2751, 2867, 3117.

**VAPORIZATION:** 1941, 1942, 3360, 4011, 4048.

**VARIATIONAL principles:** 289, 383, 678, 779, 936, 948, 1042, 1694, 2367, 2368, 3089, 3090, 3477, 3781, 3878.

**VAULTS:** *see* Arches.

**VECTOR and tensor methods:** *see* Matrix, vector and tensor methods.

**VEHICLE:** motion and control, 3062, 3803, 3804; suspensions, 3844; vibration, *see* Vibration of vehicles.

**VEHICLES:** 1469; *see also* May feat. art., pp. 185-188.

**VELOCITY:** measurement, in machining, 1011, 2889; meters, 524.

**VIBRATION:** 13, 21, 26, 30, 33, 115, 117, 134, 264, 376, 719, 722, 1356, 1654, 1720, 1723, 2076, 2084, 2101, 2341, 2380, 2403, 2406, 2407, 2669, 2670, 2750, 3080, 3479, 3754, 3800, 3801; *see also* Harmonic analysis; Impedance methods; Internal friction, hysteresis; Wave motion; Whirling speed; bending, 251, 2395, 2753; damping, 121, 407, 1018, 1023, 2083, 2084, 2402, 2557, 3140, 3477, 3488; forced, 22, 23, 1393, 2086, 2404; free, 416, 417, 1396, 1397; hydraulic, 417; instruments, 1245, 1720, 3057, 3820; isolation, 2758; measurements, 419, 2085; nonlinear, 415, 416, 718, 720, 1019, 1020, 1390, 1391, 2077, 2083, 2398, 2399, 2400, 3129, 3137, 3813, 3814; resonance and stability, 1022; torsional, 721, 1392, 2401; transverse, 1394.

**VIBRATION OF:** airplanes, 1223, 1224, 1225, 1226, 1398, 1399, 2085, 3489; *see also* Flutter; beams, rods, strings, cables, 13, 24, 25, 26, 27, 28, 408, 409, 410, 1024, 1026, 1394, 1395, 1397, 1414, 1725, 1727, 2088, 2089, 2128, 2393, 2394, 2395, 2753, 2754, 2755, 3135, 3478, 3480, 3481, 3812, 3817; beams under moving load, 2755; compressor blades, 3687; fluids, 1310, 1525, 1595, 2256, 3136, 3942, 4070; foundations, 405; machines, 31, 32; machine tools, 821, 1512, 1842; a net, 3487; plates, shells, disks, 60, 67, 189, 413, 414, 717, 819, 1006, 1023, 1062, 1079, 1301, 1660, 2396, 2397, 2799, 3131, 3132, 3133, 3134, 3482, 3483, 3484, 3485, 3486, 3815, 3816, 3818, 4065; propellers, 251, 3490; rail, 411; ship hulls, 3484; soil, 1313; structures, 406, 411, 412, 716, 2393, 2756, 3057, 3139, 3484; turbine blades, 1216, 1589, 2087, 3676, 3686; vehicles, 1726, 3819, 3844.

**VIRTUAL MASS:** 2073.

**VIRTUAL WORK:** 3191.

**VISCOELASTIC:** flow, 1091, 1104, 1478, 1785, 2475, 2747, 2842, 3214, 3563; properties, 516, 1786.

**VISCOPLASTIC FLOW:** 583, 2162, 3561, 3881.

**VISCOPLASTICITY:** 99, 1202, 2280, 2593; measurements, 108, 117, 173, 294, 525, 1242, 1243, 1482, 1938, 2210, 2479, 2964, 2841, 2965, 2990, 3321, 3699, 4082; of fluids, 294, 318, 1176, 1177, 1244, 1938, 1939, 1940, 2199, 2281, 2603, 3982, 3079, 4013, 413.

**VISCOFLUID FLOW:** 1476, 2523, 2541, 2705, 3881, 3944, 3968; compressible, 853, 2531, 2540, 2906; incompressible, 173, 175, 289, 540, 953, 1166

## SUBJECT INDEX TO APPLIED MECHANICS REVIEWS, VOL. 7, 1954

WAVE MEASUREMENT, 1931, 2092, 3698.

WAVE MOTION, 1253, 1254, 1312, 1339, 1603, 2097, 2408, 2686, 3433, 3824; *see also* Impact; airplane landing; Interface phenomena; Vibration; Water hammer; Wave propagation; Waves: interface, in open channels, plastic, surface.

WAVE: propagation, 527, 725, 1027, 1032, 2091, 2409, 2758, 2762, 2763, 3141, 3823.

WAVES: acoustic, 320, 2695, 3026, 3027, 3035, 3036, 3037, 3284, 3645, 3759, 3821; elastic, 34, 35, 36, 37, 38, 39, 47, 418, 419, 724, 726, 1028, 1035, 1731, 2090, 2094, 2124, 3140; gravity, 527, 2041, 2042, 2043, 2093, 3928; seismic, 1337, 1338, 1401; standing, 2664; surface, 330, 421, 422, 723, 991, 1030, 2515, 2516, 3142, 3144, 3145, 3432, 3444, 3824.

WAVES: interface, between two fluids, 1031.

WAVES IN: channels, 2707, 3143; compressible flow, 195; ice field, 1401; rheology, 724, 3140.

WEAR: and fretting, 512, 517, 791, 1015, 1055, 1683, 1689, 2078, 2196, 2358, 2866, 3079, 3215, 3216, 3439, 3776, 3916, 4097, 4100; *see also* Bearings; Lubrication.

WEATHER forecasting, 296, 977, 1332, 1676, 1677, 2034, 2035, 2038, 2347, 2348, 2706, 2710, 3424, 3425, 4091.

WEIRS, spillways, 82, 361, 481, 775, 1464, 1781, 2519, 3258, 3614, 3615, 3616; *see also* Dams.

WELDER structures, *see* Structures, welded.

WELDING, 113, 149, 150, 151, 466, 467, 468, 1437, 1440, 1441, 1442, 1443, 2474, 2810, 2811, 2812, 2813, 2815, 2816, 3186, 3187, 3188, 3219, 3534, 3536, 3537, 3779, 3839, 3857, 3858, 3859, 3860, 3861, 3862; *see also* Peening.

WELLS, 172, 334, 336, 831, 1522, 1524, 1534, 2001, 2005, 2704, 3067, 3418, 3419.

WHEELS, 491, 1800, 3110, 3804.

WHIRLING and critical speeds, 1025.

WIND, 351, 659, 973, 1329, 2025, 2029, 2032, 2041, 2351, 2352, 2707, 3070, 3144, 3429, 3774; forces, 1563, 2244, 2543, 2546, 2550, 2552, 2838, 2925, 2926, 3299, 3512, 3644, 3662, 3874, 3938, 3977; stresses, 776, 777, 1784; *see also* Vibration of structures.

WINDMILLS, 3994.

WIND-TUNNEL: analysis, 283, 883, 909, 1604, 1607, 1608, 1609, 2246, 2391, 2590, 2969, 2970, 3332, 3983, 4003; balances, 2274; corrections, 280, 282, 1251, 1606, 1927, 3667, 3700, 4004; design, 279, 1249, 1250; fluids, 584; measurements, 587, 1613, 1873, 1930, 2590, 2838; wall interference in, 2272, 2273, 2940.

WIND TUNNELS: 1605, 2908, 2940, 3649, 3650, 3654, 4002; *see also* Freon; hypersonic, 216, 585, 1252, 3326, 3327; supersonic, 185, 586, 592, 1594, 1601, 1928, 1929, 2119, 2589, 2955, 3282, 3366, 4003 (*see also* Aug. feat. art., pp. 329-331); transonic, 1611.

WING-TAIL combination, 3979.

WINGS: 225, 237, 242, 490, 569, 571, 769, 887, 889, 892, 893, 1087, 1088, 1090, 1182, 1186, 1213, 1466, 1783, 1893, 1896, 1900, 2140, 2141, 2143, 2234, 2247, 2466, 2480, 2544, 2546, 3201, 3308, 3328, 3667, 3671, 3674, 3960, 3968, 3992; *see also* Aerodynamic interference; Airfoil; Structures: aircraft; compressible flow, 229, 241, 268, 882, 1537, 1546, 1892, 1894, 2238, 2247, 2545, 3310, 3981; delta, 91, 234, 413, 568, 1872, 2142, 2143.

WINGS (*continued*): 2552, 2936, 3299, 3669, 3984, 3990; incompressible flow, 882, 1864, 2243; swept, 223, 236, 587, 1088, 1089, 1203, 1206, 1207, 1577, 1864, 1872, 1897, 1898, 2237, 2239, 2465, 2527, 2837, 2923, 3138, 3295, 3296, 3297, 3298, 3301, 3308, 3499, 3666, 3667, 3668, 3672, 3673, 3837, 3960, 3983, 4005 (*see also* July feat. art., pp. 281-285); twisted, 2937.

WIRE DRAWING, *see* Drawing, extruding, rolling.

WIRES: steel, 3572.

WOOD, timber and plywood, 810, 1502, 1503, 1518, 1815, 1831, 1832, 2189, 2819, 3159, 3244, 3556, 3557, 3728, 3863, 3899.

WOOD CONSTRUCTIONS, 2499, 2500.

WRENCH, 469.

X Y Z

X-RAY techniques, 468, 1118, 2779, 3159, 3696.

YAWING and rolling of airplanes, 237, 873, 1215, 1575, 2246, 2545, 2557, 2587, 2919, 3661, 3808; *see also* Aerodynamic coefficients; Stability, airplane.

YIELDING, 103, 783, 784, 1064, 1096, 1108, 1124, 1497, 1765, 2167, 2447, 2489, 3581, 3855, 3892; *see also* Oct. feat. art., pp. 421-423); effect of residual stress on, 988.

ZINC, 97, 2182, 2872.

ZIRCONIUM, 132, 2182, 2847; coating, 3895.

# Author Index to Applied Mechanics Reviews

Volume 7, January-December 1954

(Numbers used are serial numbers of Reviews)

## A

ABBOTT, I. H. .... 2112, 3796  
 ABDULLAH, A. J. .... 4083  
 ABE, S. .... 1591  
 ABRAMOWITZ, M. .... 1005, 2296  
 ACHARYA, Y. V. G. .... 46, 255, 1239,  
     3522  
 ACKERMANN, G. .... 3341  
 ACORTA, A. J. .... 3315, 3677, 3995  
 ACUM, W. E. A. .... 3667  
 ACURBO, L. A. .... 3442  
 ADAMS, G. C. .... 2509  
 ADAMS, M. C. .... 889  
 ADAMS, R. E. .... 2238  
 ADAMSON, B. .... 334  
 ADDERLEY, E. E. .... 975  
 ADDISON, H. .... 3260  
 ADKINS, J. E. .... 2416  
 AGEVA, N. S. .... 504  
 AGGARWAL, R. R. .... 3815, 3816  
 AGOSTINELLI, C. .... 702  
 AHLUWALIA, J. S. .... 2301  
 AIKEN, W. S., JR. .... 3331  
 AIKMAN, A. R. .... 3126  
 AINLEY, D. F. .... 3683  
 AINSWORTH, J. H. .... 2033  
 AITCHISON, G. D. .... 2996  
 AKAI, K. .... 644  
 AKAO, S. .... 469  
 AKHIEZER, N. I. .... 693  
 AKIMOV, G. V. .... 1488  
 ALADYEV, I. T. .... 3351  
 ALBERTSON, M. L. .... 1158, 3419  
 ALEKSEEEVA, O. P. .... 3092  
 ALEXANDER, L. G. .... 1528  
 ALFERS, J. B. .... 3443  
 ALFORD, J. L. .... 342  
 ALFORD, J. S. .... 2946  
 ALPREY, T., JR. .... 492, 2881  
 ALKSNE, A. .... 3630  
 ALLEN, C. H. .... 2430  
 ALLEN, H. W. .... 843  
 ALLEN, J. .... 2206  
 ALLEN, J. M. .... 1983  
 ALLEN, N. P. .... 802  
 ALLEN, T. O. .... 3049  
 ALLIS, W. P. .... 1621  
 ALMASI, Gy. .... 151  
 ALPHER, R. A. .... 3273  
 ALSEN, K. .... 3905  
 ALSMAYER, W. C. .... 2834  
 ALTMAN, D. .... 2647  
 ALWAY, G. G. .... 1002  
 AMBLE, O. .... 2347  
 AMBROSE, H. H. .... 3618  
 AMELIN, A. G. .... 3731  
 AMER, K. B. .... 566, 1908  
 AMIRIKIAN, A. .... 487  
 ANCELL, J. E. .... 3408  
 ANDERSON, A. B. C. .... 1658  
 ANDERSON, A. W. .... 2838  
 ANDERSON, D. V. .... 1674  
 ANDERSON, G. B. .... 1437  
 ANDERSON, J. E. .... 2142  
 ANDERSON, M. S. .... 2491  
 ANDERSON, O. L. .... 1497  
 ANDERSON, R. A. .... 459, 1024, 3201  
 ANDERSON, R. C. .... 2631, 2655  
 ANDERSON, W. J. .... 665, 666, 667  
 ANDRES, J. M. .... 1998  
 ANDREWS, L. A. .... 1336  
 ANDREWS, L. E. .... 2497  
 ANGONA, F. A. .... 2685, 2688  
 ANONYMOUS. .... 167, 775, 1004, 1452,  
     1493, 1498, 1517, 1526, 1609,  
     1781, 1831, 1893, 2967, 3224,  
     3888, 3897  
 ANTOINE, J. .... 647  
 AOI, T. .... 2212

## Feature Articles

	Issue	Pages
SECHLER, E. E. A new era in structural analysis	Jan.	1- 2
CONTINI, R., AND DRILLIS, E. Biomechanics	Feb.	49- 52
MORSE, P. M. Operations research	Mar.	89- 93
SEITZ, F. Progress of the physics of solids	Apr.	137-138
KYROPoulos, P. Review of research and development in automotive engines	May	185-188
ROHSENOW, W. M. Brief survey of recent developments in heat transfer	June	233-234
SEARS, W. R. Boundary layers in three-dimensional flow	July	281-285
FERRI, A. Progress in supersonic wind-tunnel design	Aug.	329-331
RICHARDSON, E. G. Acoustic and ultrasonic relaxation processes	Sept.	377-378
DRUCKER, D. C. Limit analysis and design	Oct.	421-423
CHURCHILL, R. V. Operational mathematics	Nov.	469-470
ODQVIST, F. K. G. Recent advances in theories of creep of engineering materials	Dec.	517-519

## B

APPEL, D. W. .... 3618  
 APPLEMAN, H. .... 978, 2038  
 ARABIAN, D. D. .... 3298  
 ARAKAWA, H. .... 657, 1680, 2031  
 ARCHARD, J. F. .... 1015  
 ARCHIBALD, F. R. .... 3916  
 ARKHAROV, V. I. .... 1819  
 ARMACOST, W. H. .... 2628  
 ÁRNASON, G. .... 2034  
 ARNEODO, C. .... 1717  
 ARNOLD, G. .... 2033  
 ARNOLD, G. M. .... 2533  
 ARNOLD, J. N. .... 1375  
 ARNOLD, R. N. .... 30  
 ARONOFSKY, J. S. .... 202, 3620  
 ARONS, A. B. .... 3009  
 ARZHANÍKH, I. S. .... 3454  
 ASBRIDGE, G. H. .... 3249  
 ASHDOWN, A. J. .... 3542  
 ASHLEY, H. .... 3675  
 ASHTON, L. A. .... 3576  
 ASHWELL, D. G. .... 3181  
 ASHWOOD, P. F. .... 2261  
 ASSADOURIAN, A. .... 2562  
 ATLAS, D. .... 3428  
 ATTENBERY, J. H., JR. .... 3049  
 ATTINELLO, J. S. .... 2231  
 AUGÉ, J. .... 1749  
 AULT, N. N. .... 2169  
 AUSTIN, J. M. .... 2033  
 AVAKOV, A. A. .... 1147  
 AVERY, W. H. .... 2323, 3378  
 AXELSON, J. A. .... 2922  
 AYMERICH, G. .... 2400  
 AZAROFF, L. V. .... 3793  
 BABCOCK, R. S. .... 3245  
 BABICHEV, M. A. .... 512  
 BABROV, H. .... 4022  
 BABUKOV, A. G. .... 1696  
 BACHELIER, M. .... 647  
 BACHMANN, W. .... 1925  
 BACKER, G. H. .... 2955  
 BACKOFEN, W. A. .... 131  
 BACON, R. H. .... 683  
 BADE, W. L. .... 705  
 BADER, R. .... 1362  
 BADGER, D. M. .... 1090  
 BAER, D. H. .... 1281  
 BAGOTSKAYA, I. A. .... 631  
 BAILEY, B. M. .... 1593, 1917, 2954  
 BAILEY, J. M. .... 3215, 3216  
 BAILEY, R. .... 2376  
 BAILEY, R. W. .... 2155  
 BAILLARD, G. .... 716  
 BAIMLER, M. .... 468  
 BAINES, W. D. .... 304  
 BAKER, A. G. .... 3901  
 BAKER, A. L. L. .... 1751  
 BAKER, H. D. .... 1268  
 BAKER, J. F. .... 3190  
 BAKER, N. H. .... 1268  
 BAKHSHI, N. N. .... 318  
 BALDACCI, R. F. .... 1770  
 BALINT, E. .... 274  
 BALLARD, O. R. .... 3733  
 BALZER, H. .... 1511  
 BANASCHEK, K. .... 54

BELL, F. M.	3198	BIRKENMAIER, M.	3558	BOWDEN, F. P.	391, 2663, 3776	BUEHLER, R. J.	1976	
BELL, S.	2979	BIRKHOFF, G.	1703	BOWDEN, K. F.	973	BUERMANN, T. M.	3778	
BELL W. C.	1990	BIRMAN, M.	3787	BOWDITCH, F. W.	2656	BUGAENKO, G. A.	3724	
BELLES, F. E.	2648, 3741	BIRMAN, R.	2948	BOWEN, E. G.	360	BUHRMAN, J.	3977	
BELLIER, J.	2703	BIRNBAUM, W.	2935	BOWER, J. L.	1715	BUINOV, N. N.	506	
BELLMAN, R.	3104, 3105, 3450	BISHOP, A. W.	960, 1667	BOWERMAN, R. D.	574	BUISSON, M.	1780	
BELOV, A. V.	1413	BISHOP, J. F. W.	1509, 1793	BOWMAN, C. E.	2856	BUKZIN, E. A.	2728	
BÉLÉTKY, L.	172	BISHOP, R. E. D.	34, 2090, 2754	BOYD, B.	1221	BULAND, R. N.	1384	
BELYAEV, N. M.	798	BITZADZE, A. V.	3788	BOYD, G. M.	502, 1564	BULGAKOV, B. V.	1377	
BENDEL, L.	1779, 3413	BLACK, A. R.	2722	BOYD, J.	1682, 3076, 3085	BULLEN, K. E.	2044	
BENDIXEN, I.	31	BLACK, J.	2236, 3666	BOYER, M. C.	524	BULLEN, T. G.	1942	
BENEDICT, P. C.	1158	BLACKBURN, J. F.	715	BOYER, R. L.	3322	BULLOCK, M. L.	3802	
BENEDEKT, E. T.	847	BLACKHAM, A. U.	927	BOYKIN, C. V.	2730	BUNKER, A. F.	656, 4089	
BENFIELD, A. E.	3348	BLACKMAN, J. S.	2185	BOYUM, W. B.	2941	BURDICK, L. R.	3753	
BENHAM, P. P.	2780	BLACKMAN, V. H.	3271	BRACHET, R.	2776	BURGAN, E. T.	2838	
BENNEK, H.	2858	BLACKSHEAR, P. L., JR.	2664	BRADDON, G.	3010	BURGE, C. H.	571	
BENNET, W. J.	3749	BLACKWELL, D.	3458	BRADLEY, J. N.	3614	BURGERS, J. M.	205, 2913, 3964	
BENNETT, E. W.	2427	BLACKWELL, J. H.	621, 2992	BRADY, W. G.	1474	BURGESS, E. G., JR.	3163	
BENNETT, G. E.	10	BLAIK, M.	2350	BRAHAM, W. E.	2144	BURGESS, W. C., JR.	2536	
BENNETT, J. A.	3234	BLAISDELL, F. W.	2519	BRANDES, G.	2341	BURK, S. M., JR.	2957	
BENNETT, R. W.	1440	BLAKE, F. H.	2147	BRASLOW, A. L.	584	BURKE, E.	2298	
BENNETT, W. R.	949	BLAKESLEE, T. S.	1923	BRATT, H.	2049	BURKHARD, M. D.	1996	
BENSCHOTER, S. U.	1045, 2140, 2141, 3138, 3161	BLANC, A.	4017	BRATT, J. B.	2211, 3668	BURNELL, I. H.	3601	
BLANCH, GERTRUDE	1000, 2739, 3638	BLEVISS, Z. O.	892, 1894	BRAUDEAU, G.	86	BURNS, J. C.	3143	
BLANCHARD, D. C.	3009	BLINOV, V. I.	3384	BRAUGHT, G.	3007	BURRELL, G.	2953	
BLAND, D. R.	1408, 1641, 3247	BLOCK, E. H., JR.	1161	BRAUN, I.	1107	BURRILL, L. C.	368, 3777	
BLANTON, H. E.	1713	BLOCKER, H. G.	3857	BRAUN, W.	915, 1567	BURROWS, Miss P. M.	878	
BLEICH, H. H.	33, 1006, 1301, 1418, 3131, 3132, 3526	BLOCKER, H. G.	652	BRAUNBEK, W.	403	BURROWS, W. R.	3167	
BEREUTER, R. O.	1431	BLOKH, Z. SH.	3473	BREBNER, A.	3251	BURTON, E. J.	1288	
BERGDOLT, V. E.	1874, 1934	BLOOM, M.	1193	BREITENÖDER, M.	3417	BURTOW, A. J.	2892	
BERGELIN, O. P.	1953	BLOOMER, O. T.	1265	BRENIQ, W.	2602	BURWELL, J. T.	703	
BERGEN, J. T.	1476	BLUE, R. E.	871	BRESSAN, A.	1407	BURZYNSKI, W.	2770	
BERGER, E. R.	1694, 2805	BLUMBERG, H. S.	466	BRETH, H.	3765	BUSEMANN, A.	1240	
BERGERON, C. G.	1822	BLUMENTHAL, I. S.	3472	BREWSTER, G.	2248	BUSHBY, F. H.	4084	
BERGH, H.	1586	BODDITT, P. J.	1566	BREWSTER, O. C.	1723	BUSWELL, R. W. A.	3682	
BERGMAN, S.	1547	BOLIN, B.	1676, 3427	BRIDGE, E. K.	2114	BUTLER, F. G.	2953	
BERGMANN, H. G.	3658	BOLLER, K. H.	1813, 2446	BRIDLE, E. A.	1592	BUTUZOV, V. P.	1943	
BERGRUN, N. R.	249, 1905	BOLOTIN, V. V.	1420	BRIEFS, H.	3903	BUXBAUM, R. S.	1483	
BERGSTROM, S. G.	115, 1491, 1778, 2187, 2874	BOLZ, R. E.	1575	BRIGGS, B. R.	2391	BUXTON, G. H. L.	1604	
BERK, A. A.	3753	BONCHIKOVSKAYA, T. V.	1255	BRIGGS, C. W.	1149	BYLINA, A. S.	2158	
BERLIN, T. H.	1259	BONDAR', N. G.	412	BRIGHT, N. F. H.	2880	BYRD, P. F.	885, 3265, 3456	
BERMAN, A. S.	1534	BONDI, H.	1017	BRIGHT, P. I. F.	1549	BYRNE, J. F.	3746	
BERMAN, J. H.	880, 2247	BONKE, K.	2302	BRINKLEY, S. R., JR.	2668	<b>C</b>		
BERMAN, K.	2621	BONVALET, C.	1747	BRISBY, M. D. J.	2375	CABANNES, H.	201, 2215, 2904	
BERMAN, R.	3344	BOEHM, J.	1276	BRITTEN, K. H. V.	549	CADIERGUES, M. R.	1295	
BERNARD, J.-J.	845, 2910	BOERDIJK, A. H.	938, 2750	BROADBENT, E. G.	3670, 3991	CADY, W. G.	1656	
BERNARD, P.	2017	BOGOVANOV, F. F.	604	BROADLEY, P. R.	265	CAHN, A. S.	2088	
BERNSTEIN, H.	2216	BOGUNOVIC, V.	2129	BROCK, J. E.	1050, 3507, 3546	CAIGER, M. T.	1549	
BERRY, J. G.	2789	BOHME, W.	322	BROCKMANN, W.	4103	CAILLE, J.	477	
BERRY, V. J.	941, 1281, 4031	BOKSENBOM, A. S.	1387	BRODING, W. C.	1073	CAIMANN, V.	6	
BERRY, W. R.	3505	BOLEY, B. A.	425	BRODYANSKI, V. M.	917	CAKIROGLU, A.	1747	
BERS, L.	3453	BOLIN, B.	1676, 3427	BROER, L. J. F.	2276, 2906	CALAMARI, P. L.	1441	
BERSON, F. A.	355	BOLLER, K. H.	1813, 2446	BROKAW, R. S.	2653	CALCOTE, H. F.	2321, 2681	
BERTHIER, G.	2415	BOLOTIN, V. V.	1420	BROMM, A. F., JR.	2220	CALDER, P. H.	1640	
BERTHIER, P.	1324	BOLZ, R. E.	1575	BRONWELL, A.	3782	CALDERWOOD, G. F. N.	3321	
BESSEL, L.	332	BONCHIKOVSKAYA, T. V.	1255	BROOKS, F. A.	3767	CALDWELL, J. M.	954	
BESSELING, J. F.	2143, 3850, 3880	BONDAR', N. G.	412	BROOKS, R. D.	311, 935	CALIGO, D.	3180	
BEST, A. C.	296, 3364	BONDI, H.	1017	BROOKS, W. A., JR.	1088, 3525,	CALLAGHAN, E. E.	1293	
BESTUL, A. B.	99	BONKE, K.	2302	3876	BROTHERTON, T. D.	2655	CALLARD, E. J.	2459
BETHWAITE, C. F.	242	BONVALET, C.	1747	BROPHY, J. E.	1347	CALLEJA CARRETE, J.	2186	
BETTERIDGE, W.	2871	BOOTH, A. D.	3457	BROSINSKY, H.	2262	CAMBEOFORT, H.	648, 649	
BETTS, D. B.	1571	BOOTH, H.	1991	BROTHERTON, T. D.	2655	CAMREB, A. B.	385	
BEUTEL, H.	2897	BOOTH, K. H. V.	3457	BROPHY, J. E.	1347	CAMERON, D.	3989	
BEYER, R.	1010, 1379	BOOTH, W.	2788	BROSINSKY, H.	2262	CAMPBELL, DOROTHY E.	3748	
BEZBOROD'KO, M. D.	2721	BORDONI, P. G.	419, 808	BROTHERTON, T. D.	2655	CAMPBELL, E. S.	1975, 1976	
BEZUSZKA, S. J.	2329	BORELI, M.	829, 1524, 3064	BROWN, A. F. C.	3834	CAMPBELL, G. A.	3139	
BHADRA, T. C.	2689	BORG, S. F.	200	BROWN, B. D.	334	CAMPBELL, I. D.	3036	
BHAGAVANTAM, S.	1479, 1480	BORGNIS, F. E.	1657	BROWN, B. P.	222	CAMPBELL, I. J.	1254	
BIALKOWSKI, L. S.	1712	BORN, J. S.	1047	BROWN, E. H.	1435	CAMPBELL, J. P.	1214, 1574	
BICKEL, E.	155, 3579	BORNSCHEUER, F. W.	2803	BROWN, G. A.	1953	CAMPBELL, W. S.	2092	
BICKLEY, W. G.	1707	BORODIN, V. A.	3944	BROWN, G. J.	1438, 3533	CANNING, T. N.	3300	
BIEBERBACH, L.	2735	BORUSIEWICZ, W.	741	BROWN, H. M.	3241	CANNON, M. D.	3993	
BIEKART, F. H.	1772	BOSCHER, J.	3166	BROWN, N.	2853	CAPILDEO, R.	1421	
BIERLEIN, J. A.	271	BOSE, B. N.	687, 1368	BROWN, P. D.	1495	CAPPUS, P.	531	
BIERMANN, L.	1003	BOSE, S. K.	1368	BROWN, R. L.	2020	CAPRIZ, G.	728, 1388	
BIERT, J.	1989	BOSHOFF, W. H.	535	BROWN, T. W. F.	3679	CAPUS, J. M.	3879	
BIEZENO, C. B.	694	BOUTKA, I.	447	BROWN, W. D.	872	CARATHÉODORY, C.	3446	
BIGG, E. K.	1643, 2345	BOTMAN, M.	3851	BROWN, W. F.	2528, 3275	CARDWELL, F. D.	3377	
BIGGS, J. M.	776	BÖTTGER, A.	2976	BROWN, W. F., JR.	1477	CAREY, W. N., JR.	1467	
BIRHLE, W., JR.	2555	BOTTLE, D.	1929, 3330	BROWNE, K. A.	265	CARHART, R. R.	660, 3037	
BIJL, A.	3709	BOSWELL, A. C.	3492	BRUCE, V. G.	2806	CARLSON, R. L.	2179, 2449	
BIJLAARD, P. P.	1069, 1070, 1764, 2800	BOTTA, P. W.	2443	BRÜCKNER, H.	1624	CARLSON, R. M.	3687	
BILIMOVITCH, A.	2379	BOUASSE, H.	863	BRUINING, H.	3696	CARLSTEAD, E. M.	3425	
BILLIGMANN, J.	1507	BOUCHER, R. W.	3464	BRULL, M. A.	2159	CARMAN, P. C.	3369	
BILLING, H.	1003	BOUDAN, J.	1851	BRUN, R. J.	1221, 2560, 3736, 3737	CARMICHAEL, B. H.	3328	
BINDER, R. C.	842	BOUMAN, C. A.	365	BRUNNER, M. J.	3316	CARO, D. E.	1307	
BIRD, J. D.	2557	BOUROT, J.-M.	3323	BRYAN, D. F.	2480	CARPENTER, J. C.	3763	
BIRD, R. B.	921, 1937	BOVEY, H. L.	3375	BRYSON, A. E., JR.	891, 912	CARPENTER, N.	2676	
BIRDS, H. L.	1581	BOWDEN, A. T.	1297, 3025	BUBB, F. W.	3811	CARPENTER, P. J.	2929, 3302	
BIREBENT, A.	2195	BUECHE, F.	3563	BUCHHOLTZ, H.	1264	CARR, A. L.	1119	
BIRK, M.	3274	BUEHLER, R. J.	1976	BUCKLE, H.	2861	CARR, N. L.	2218	

CARRACK, D. H.	3199	CLARK, T. P.	1973	CRAWFORD, S. M.	2471	DE BAARE, J.	2878
CARRIER, G. F.	184, 1393, 2915	CLARKE, D. A.	911, 1252	CRAWLEY, W. O.	134	DE BOER, J. H.	605, 2604
CARRY, C.	2097	CLAUSEN, I. M., JR.	1057, 3170	CREASE, B. A.	3098	DE CASTRO, A.	1390
CARSON, T.	2880	CLAUSER, F. H.	2574, 3654	CREDE, C. E.	3129	DECECCO, N. A.	1439
CARTER, A. D. S.	905	CLEGHORN, G.	3601	CREMER, L.	1661, 3407	DECKER, G. E.	2990
CARTER, A. W.	1580	CLEMENTS, B. B.	3476	CRESSMAN, G. P.	3420	DE COSTER, M.	2667
CARTER, R. W.	2514	CLIFFET, C. B.	2539	CRICO, A.	2623	DEEG, E.	1966
CARTWRIGHT, J.	2585	CLIMIE, H. R.	1845	CRIM, A. D.	913, 3306	DEEMER, K. C.	3701
CARVER, D. R.	2785	CLINEBELL, BETTY JO	1132	CRISP, J. D. C.	3833	DEFET, L.	1060, 2667
CARY, J. R.	307	CLINGMAN, W. H.	2653	CROCCHI, P.	303	DEFIZE, F. L.	2815
CASAGRANDE, A.	961, 4075	CLOUGH, R. W.	1416	CROCCO, L.	608, 1972, 2670	DE GROOT, S. R.	181, 1622, 2596,
CASCI, C.	2947	CLOUGH, W. R.	2110	CROCKER, S.	2867, 2944	2599	
CASE, S. L.	505	CLUSIUS, K.	1294	CROCKETT, J. H. A.	32	DE HALLER, P.	890
CASEY, D.	4007	COBIGO, M. H.	3708	CROM, J. M.	472	DEHAVEN, C.	3618
CASHMORE, W. P.	1985	COCHARDT, A. W.	121, 1018	CRONEY, D.	640, 2337	DEHLINGER, U.	3565
CASSEN, B.	3261	COCHIN, L.	1710	CROSS, H. C.	1039	DEISSLER, R. G.	1274, 3721
CASTOLDI, L.	1383	COCHRAN, W. G.	2058	CROSSLAND, B.	2472	DEITCHMAN, S. J.	2235
CATSIFF, E.	2881	COCKCROFT, M. G.	3879	CROSSLEY, F. A.	1820	DE JAGER, E. M.	3309
CATTANEO, A. G.	2657	COCKE, B. W., JR.	1209	CROSSLEY, F. R. E.	23, 3800	DE JOSSELIN DE JONG, G.	336, 956
CAVALLARO, L.	3012	CODEGONE, C.	1986, 2277	CRUM, F. J.	1441	DEKHTYAR, L. Y.	1804
CAVERS, S. D.	1552	COFFEE, C. W., JR.	1863	CSONKA, P.	2461, 2462, 2463,	DE KRASKINSKI, J. E.	3301, 3324
CAVICCHI, R. H.	2951	COFFIN, L. F., JR.	111, 2481, 2482	3527, 3869			
CEAGLSKE, N. H.	1716	COHEN, DORIS.	236	CUADRAT, S. M.	2015	DELANY, N. K.	1538
CERVİ, S.	3549	COHEN, G. H.	398	CUDE, A. L.	2638, 3018	DELAVAULT, H.	3003
CESCOTTI, R.	3294	COHEN, H.	2998	CULVER, R.	1049	DELBART, G.	2176
CHADEISSON, R.	966	COHEN, H. G.	1393	CUMMING, R. W.	570	DELBOURGO, R.	2319
CHAMBRE, P. L.	4064	COHEN, L.	2637	CUMMINS, W. E.	840	DEL BUONO, A. J.	2123
CHAMECKI, S.	3886	COHN, G. I.	2737	CUNNINGHAM, F. W.	1386	DE LEIRIS, H.	2966
CHANDRASEKHAR, S.	358, 2523	COLBECK, E. W.	799	CUNSOLO, D.	3646	DE L'HORTET, R.	965
CHANG, C.-C.	2411	COLBURN, A. P.	1953	CUPP, C. R.	1125	DEL SALVATORE, A.	2836
CHANG, H. C.	3583	COLE, B. N.	2645, 3317	CURREN, A. N.	4033	DEMENIEV, M. A.	3923
CHANTAL, R.	2741	COLE, ISABELLA J.	1892, 3960	CURTIS, A. J.	736	DEMESTRE, D. J.	2784
CHAPLIGIN, D. V.	474	COLE, J. D.	1181, 1731	CURTIS, A. R.	3553	DENGLER, M. A.	2096
CHAPMAN, D. R.	209, 268, 3288	COLEMAN, J. D.	640, 2337	CURTIS, R. W.	1978	DEN HARTOG, J. P.	3264
CHAPMAN, S.	2592	COLEMAN, T. L.	1220	CURTISS, C. F.	.921, 1937, 3748		
CHAPON, M.	1780	COLES, W. D.	2993, 3363	CUTLER, A. E.	3475	DENNIS, N. G.	2752
CHARI, S. S.	3758	COLLAR, A. R.	25	CUTTS, C. E.	3547	DENNISTON, D. W., JR.	4044
CHARLTON, T. M.	2829	COLLATZ, L.	.996, 2399	CZARNECKI, K. R.	3624, 3625		
CHARNES, A.	984, 1348, 2359,	COLLAUD, A.	805	CZECHOWICZ, J.	3159, 3899		
2360, 3079, 3798		COLLINGBOURNE, J.	1864	CZULAK, J.	456		
CHARNLAY, A.	291	COLLINS, L. E.	2152	CZYZEWSKI, H.	2866		
CHARVONIA, D. A.	3374	COLLINS, R. E.	1862, 2515, 3345				
CHARYK, J. V.	4047	COLLIS-GEORGE, N.	1673				
CHASE, C. E.	1993	COLONNETTI, G.	727				
CHASE, H. J.	2945	COLWELL, L. V.	1841, 3911				
CHATTERJEE, P. N.	426	COMINGS, E. W.	1528				
CHATTERTON, J. B.	1730	COMRIE, L. J.	3799				
CHAZY, J.	1709	CONKIE, W. R.	3293				
CHEATHAM, T. E.	263	CONKLIN, D.	1644				
CHEN, Y.-W.	195	CONN, W. M.	3006, 3007				
CHENEAU, P. F.	21	CONNOCK, S. H. G.	4008				
CHENG, S.-I.	867, 1972, 2670	CONNOR, H. D.	2433				
CHERNIAK, G. YA.	1666	COOK, D. B.	1247				
CHERRY, T. M.	857	COOK, M.	2885				
CHERTOCK, G.	3943	COOK, N. H.	1835				
CHESKY, K. P.	173	COOKE, J. R.	1633, 1634				
CHESTER, W.	1182, 3955, 3956	COOLING, L. F.	1317				
CHESTERS, W. T.	750	COON, G. A.	398				
CHESTNUT, H.	3127	COOPER, M.	3295				
CHETAEV, N. G.	3109	COOPER, R. D.	215				
CHETAYEV, D. N.	3039	COPE, W. F.	1664, 2230				
CHEVALLIER, J. P.	1885	COPPAGE, J. E.	946				
CHIDA, I.	1591	COPSON, E. T.	3026, 3027				
CHIEN, N.	3262, 4080, 4081	COREY, R. C.	943				
CHILINGARISHVILI, G. I.	3173	CORLISS, E. L. R.	1996				
CHILTON, E. G.	2251, 2582	CORNELL, R. W.	465				
CHILTON, R. G.	222	CORNET, I.	3742				
CHILVAR, A. H.	1434, 1760, 1767,	CORNOG, R.	3742				
2150		CORRIGAN, J. J.	3238				
CHINNECK, A.	909, 1571	CORRSIN, S.	1551				
CHISHOLM, S. F.	523	CORRUCCINI, R. J.	288				
CHOPIN, S.	1223, 1224, 2085	COSTILOW, ELEANOR L.	1241				
CHOW, V. T.	2344	COTTINGTON, R. L.	3699				
CHU, H. H.	1843	COTTRELL, A. H.	1111				
CHU, J. C.	1644	COTTRELL, C. L. M.	113				
CHU, S. T.	1561, 3004, 3963	COURCHET, G.	177				
CHU, W.-H.	2411	COULBERT, C. D.	316				
CHU, Y.	713, 2377	COURTNEY, R.	2057				
CHUKHANOV, Z. F.	614	COURTNEY, F. E.	2033				
CHUNG, R.	48	COWAN, A.	2504				
CHUNG, S. Y.	3908	COWAN, H. J.	2417, 2821, 3553, 3555				
CHUNN, C. J.	3198	COWLING, T. G.	2592				
CHURCHILL, R. V.	314	COX, G. N.	3801				
CLABAUGH, W. J.	1278, 2612, 3000	COX, H. L.	2765				
CLARE, K. E.	643	COX, J. F.	974				
CLARION, C.	1860	COX, W. J.	3146				
CLARK, D. S.	1817	CRAEMER, H.	429, 1076, 1777,				
CLARK, J. A.	2622	2146, 3841					
CLARK, J. F.	2879	CRAGG, L. H.	494				
CLARK, J. W.	492, 1765, 1818	CRAIGGS, J. W.	448, 3562				
CLARK, L. G.	2428	CRAIG, D. R.	3322				
CLARK, P. M.	1231	CRAMER, H. E.	356, 976				
CLARK, R. D. M.	354	CRANE, H. L.	3464				
CLARK, S. H.	616	CRAWFORD, J. H.	161				

## D

DABROWSKI, R.	1084	DABY, R.	407, 2403, 3488
DA CUNHA AMARAL, A. M.	2832	DABER, R. W.	1163
DADENKOV, YU. N.	1156	DAEKER, E. A.	3528
DAHL, A. I.	286	DAELER, E.	2136
DAHL, N. C.	2786	DEECSERI, J.	151
DAHLER, H.	2706	DEVEREUX, A. N.	1605, 2590
DAHIME, A.	3827	DE VRIES, G.	.573, 2566, 3057
DAILY, J. W.	3701	DEVYATOV, B. N.	1299
DALLEVALLE, J. M.	652	DIAGUILA, A. J.	§. 4033
DAMKÖHLER, G.	2039	DAMOND, P. M.	272, 2609
DANBY, C. J.	1247	DICK, W.	1123
DANES, G.	3358	DIEDERICH, F. W.	1565, 3308, 3673
DANFORTH, E. C. B.	2237, 3947	DIEDERICH, MARGARET S.	3979
DANIELS, SYLVIA M.	352	DIEDERICHSSEN, J.	2679
DANIELSON, G. C.	2286	DIETL, C.	466
DANNENBERG, R. E.	1554, 1895,	DIETL, Z. W.	1198
2544		DIENES, G. J.	120
DAPOIGNY, J.	2975	DIESSLER, R. G.	1879
D'APPOLONIA, E.	409, 2006, 2423	DIETER, G. E.	1808, 3571
DAS, S. C.	430, 1034, 2119, 2793,	DIETZ, A. G. H.	1827
3174, 3827		DIKE, K. C.	510, 2495, 3535
DAS GUPTA, A. K.	2023	DILLAWAY, R. B.	2311
DAS GUPTA, S. C.	3142	DILLON, J. A.	2627
DATZEFF, A.	3719	DIMITROFF, R.	1382
DAUGHADAY, H.	2934	DITIAKIN, YU. F.	3944
DAUNER, W.	3804	DIXON-Lewis, G.	2322
DAUPHINEE, T. M.	1651, 2600	DMITRIEV, A. A.	1255, 3145
DAVENPORT, W. W.	2393	DODD, K. N.	859
DAVIDENKO, D. F.	677	DODSON, C. R.	2903
DAVIDSON, A. N.	3240	DOLAN, T. J.	498, 2856, 3569
DAVIDSON, J. F.	462, 1071, 2089	DOLAN, W. A., JR.	265
DAVIDSON, R. E.	899	DOLAND, J. J.	3918
DAVIES, D. M.	2502, 4087	DOLECEK, R. L.	3713
DAVIES, F. V.	1636	DOLLE, L.	2630
DAVIES, S. J.	2644	DOMAGALA, R. F.	132
DAVIES, T. V.	1858	DOMMASCH, D. O.	714
DAVIS, E. A.	492	DONAHUE, J. E.	3856
DAVIS, F. J.	1315	DONEGAN, J. J.	3659
DAVIS, J. D.	4062	DONN, W. L.	2350
DAVIS, R. C.	3103	DONNELL, L. H.	3852
DAVIS, R. E.	513	DONOGHE, P. L.	1170
DAVIS, S.	708	DOLITTLE, A. K.	1939
DAWSON, J.	1688	DORN, J. E.	2154, 2180
DAWSON, L. G.	552	DORSCH, R. G.	3736, 3737
DAWSON, R. F.	2013	DOSE, A.	438
DAY, G. F.	1061	DO SANOS, M. P. P.	642
DEAN, L. E.	4023	DOUGHERTY, C. B.	1731
DEAN, P. M., JR.	3509	DOUGHTIE, V. L.	3462
DEARDO, A. J.	1344	DOUGHTY, D. L.	1275, 1954

DOUGLASS, D.	801	EISELE, P. T.	1842	FENAIN, M.	551	FRASER, W. H.	260
DOUSLIN, J. R.	1836	EISENBERG, P.	162	FENG, I. M.	1683	FRAYN, E. M.	3060
DOW, N. F.	1757, 2799	EISENMANN, K.	2184	FENN, J. B.	2321, 3743	FREAS, A. D.	144, 145
DOW, W. G.	3421	ELLERBROCK, H. H., JR.	2608	FENNER, A. J.	1484	FREDERICK, D.	3797
DOWDELL, R. B.	588	ELLINGER, G. A.	3779	FENTRESS, K. O.	2579	FREEMAN, L. M.	3108
DOWNHAM, E.	2125	ELLIS, C. W.	1582	FEODOS'EV, V. I.	3180	FREE-STREAMLINE ANALYSES	3618
DOWNS, B.	1233	ELROD, H. G., JR.	3941	FERGUSON, C. K.	3048	FREIDLANDER, F. G.	28
DOWNS, D.	3751	ELSTON, C. W.	1915	FERGUSON, R. L.	2815	FREIMANIS, E.	366
DOWNS, J. E.	2578	ELTERMANN, H.	1704	FERGUSON, R. W.	2941	FRENKEL, M. S.	2392
DRAKE, R. M., JR.	1275, 1954	EL WAKIL, M. M.	3360	FERRARI, C.	856, 1544, 1578, 2549,	FRENKIEL, F. N.	206
DRAMINSKY, P.	720	ELY, F. G.	2627	3644	FREUDENSTEIN, F.	2382	
DRAPER, C. S.	3459	EMERSON, A.	3777	FERRAI BOLOGNA, G.	1598	FREY, J. P.	2703
DRAPER, J. W.	873	EMMONS, E. W.	2204	FERRI, A.	1543, 1548, 1610	FREY, K.	2818
DRAPER, P.	3025	ENDLICH, R. M.	3770	FERRIE, F.	2666	FRIDLENDER, G. O.	404
DRESCHER, H.	2719	ENEY, W. J.	3889	FERRY, J. D.	815	FRIDOVICH, B.	2929
DREVES, F. E.	1120	ENGEL, H. L.	2115	FESSLER, H.	2412, 3835	FRIEDMAN, D. G.	2351
DREYFUSS, G.	965	ENGELUND, F.	827, 2704	FETTIS, H. E.	3355, 3638	FRIEDMAN, J.	3749
DRIGGS, I. H.	265	ENGLISCH, C.	2358	FICHERA, G.	1051, 3152	FRIEDMAN, M. B.	424, 2530
DRISCHLER, J. A.	2553	ENGLISH, J. M.	3865	FIDMAN, B. A.	3254, 3255	FRIEDMAN, M. D.	236, 3456
DRISCOLL, D. E.	1114	ENGLISH, R. E.	2951	FIEBER, H.	228	FRIEDMAN, R.	1974, 2678
DRONKERS, J. J.	2353	ENIKOLOPYAN, N. S.	613	FIESENHEISER, E. I.	3550	FRIEDRICH, C. M.	841
DROUGGE, G.	218	ENOS, G. M.	2171	FIESINGER, H.	81	FRIEDRICH, H. R.	3808
DROUHIN,	85	ENZIAN, G. H.	3231	FIL' CHAKOV, P. F.	3924	FRIEL, F. J.	3820
DRUCKER, D. C.	96, 492, 1105, 1474, 1788, 2004, 2470, 3205	EPHESER, H.	3099, 3100	FILIN, A. P.	765	FRIES, W.	3191
DRUZHINSKII, I. A.	3594	EPSTEIN, L. F.	2973	FILONENKO-BORODICH, M. M.	3149	FRISCH, J.	1508, 3396
DRYDEN, H. L.	561, 3968	EPSTEIN, P. S.	3037	FILZ, C. J.	2363	FRISTROM, R. M.	2323, 3378
DUCOFFE, A. L.	1613	ERATH, L. W.	3119	FINLAY, J.	2024	Fritz, B.	1455
DUDDY, R. R.	1604	ERDÉLYI, A.	1365, 1366, 2056	FINLAY, W. N.	130, 1108	Fritzlen, T. L.	1838
DUDNIKOW, E. G.	2082	ERDMANN, S. F.	4006	FINK, M. P.	1209	FRTZSCHE, A. F.	1964
DUFAY, J.	1324	ERDMANN-JESNITZER, F.	1442	FINN, R. K.	232	FROCHT, M. M.	3155, 3156
DUFF, G. M.	2880	EREZ, A.	3274	FINNIE, I.	3243	Fröhlich, O. K.	967, 3055
DUGDALE, D. S.	2157	ERICKSEN, J. L.	492, 1103	FLOCK, E. F.	286	FRÖSSEL, W.	981
DUGGAN, R. M.	2570	ERICKSEN, W. S.	2436	FISCHEL, J.	227	FROST, R.	3769
DUGGER, G. L.	3745, 4042	ERICKSON, B.	68	FISCHER, W. A.	2847	FRYER, W. D.	1376
DUKE, C. E.	2409	ERICKSON, H. A.	1127	FISHER, F. F.	1438, 3533	FUCHS, A. M.	3120
DUMAS, R.	281, 3966	ERINGEN, A. C.	1721, 2429	FISHER, G. P.	1069, 1070	FUCHS, S. J.	1428
DUMORÉ, J. M.	4030	ERRA, A.	1126	FISHER, L. R.	2246, 2557	FUCHSTEINER, W.	65
DUNCAN, W. J.	1692, 2768	ERSHOV, V. N.	594	FISHWICK, W.	1512	FUKIWA, H.	3664, 3665
DUNHAM, C. W.	470	ERSOV, B. A.	400	FITZGERALD, E. R.	492	FUJITA, S.	3337
DUNHAM, J. W.	3051	ESCANDE, L.	839, 1153, 2203, 3266,	FJORTORT, R.	2036	FUKUROI, T.	2486
DUNKLE, R. V.	2299	3611, 3932	FLANAGAN, M. D.	244	FULLER, A. T.	3116	
DUNN, D. W.	1201	ESCH, R.	3013	FLAX, A. H.	848	FULLER, F. B.	241
DUNNE, B.	3261	ESCHMANN-HASBARGEN-WEI-	2357	FLECK, J. T.	1376, 1385	FULTON, F. A.	135
DUNSBY, J. A.	1614	GAND.	3045	FLEMING, N.	3403	FULTON, S. D.	1267
DUNSTAN, R. A.	747	ESCLANGON, E.	3045	FLETCHER, G. L.	273	FUNATOLI, E.	3818
DUQUENOIS, H.	84	ESENWEIN, P.	3896	FLETCHER, H. J.	686	FUNAKI, E.	2484
DURANTON, R.	1853	ESHELBY, J. D.	52	FLETCHER, P. J.	2261	FUNG, F. C.	453
DURELLI, A. J.	439, 3501	ESMIOL, E. E.	3058	FLIERL, K.	3608, 3609	FURCZYK, A. A.	2300
DURIN, M.	4060	ESSER, K.	446	FLOOR, W. K. G.	1769, 2143	FURUKAWA, G. T.	310
DUSCHEK, A.	674	EUBANKS, R. A.	1410, 2413	FLUCK, P. G.	2852	FUTRAN, M. F.	3578
DUTHEIL, J.	3178	EVANS, I.	3411	FLÜGGE-LOTZ, I.	3114		
DYNE, P. J.	287	EVANS, J. Y. G.	1606	FOCKEN, C. M.	2734		
DYSON, J.	3151	EVANS, W. R.	3810	FOCONOFF, N. P.	2352		
DZHANELIDZE, G. Yu.	731	EVERETT, A. J.	2320, 2674, 3379	FOLBERTH, O. G.	785		
DZUNG, L. S.	27	EVERHART, J. O.	3228	FOLLIOT, A.	3024		
<b>E</b>		EVERITT, W. T.	3775	FOLQUE, J.	1670		
<b>F</b>		EVVARD, J. C.	2536	FOMICHEV, M. S.	3622		
<b>FABER, O.</b>		EXNER, MARIE-LUISE.	322, 1310	FONTAINE, W. E.	2171		
<b>FADDEEV, V. A.</b>		FYRE, R. C. W.	1607	FOOTE, J. R.	1251		
<b>FAGIOLINI, G.</b>		<b>FOURTH SYMPOSIUM ON PLASTICITY.</b>		FÖPPL, I.	41		
<b>FAGIOLINI, G.</b>		492		FORBES, W. G.	3775		
<b>FAGIOLINI, G.</b>		492		FORD, H.	492, 2840, 3246, 3524,		
<b>FAGIOLINI, G.</b>		3904		3904	3904		
<b>FAGIOLINI, G.</b>		3904		FORREZ, G.	1950		
<b>FAGIOLINI, G.</b>		3904		FORSHIAW, J. R.	1225		
<b>FAGIOLINI, G.</b>		3904		FORSTALL, W., JR.	841		
<b>FAGIOLINI, G.</b>		3904		FORSTER, H. K.	3361		
<b>FAGIOLINI, G.</b>		3904		FOUNT, T.	3487		
<b>FAGIOLINI, G.</b>		3904		FORTRAT, M. R.	1351		
<b>FAGIOLINI, G.</b>		3904		FOSS, K. A.	3308, 3673		
<b>FAGIOLINI, G.</b>		3904		FOSTER, C. R.	634		
<b>FAGIOLINI, G.</b>		3904		FOURÉ, C.	2324		
<b>FAGIOLINI, G.</b>		3904		FOURTH SYMPOSIUM ON PLASTICITY.	492		
<b>FAGIOLINI, G.</b>		3904		FOUST, A. S.	2772		
<b>FAGIOLINI, G.</b>		3904		FOWLER, C. M.	2065		
<b>FAGIOLINI, G.</b>		3904		FOWLER, H. S.	2950		
<b>FAGIOLINI, G.</b>		3904		FOX, J. L.	1861		
<b>FAGIOLINI, G.</b>		3904		FOX, L. L.	1289		
<b>FAGIOLINI, G.</b>		3904		FOX, N. L.	1782		
<b>FAGIOLINI, G.</b>		3904		FRADENBURGH, E. A.	893		
<b>FAGIOLINI, G.</b>		3904		FRAENKEL, L. E.	1868, 1871		
<b>FAGIOLINI, G.</b>		3904		FRALICH, R. W.	3482		
<b>FAGIOLINI, G.</b>		3904		FRANCIOSSI, V.	771		
<b>FAGIOLINI, G.</b>		3904		FRANCIS, A. J.	71, 72		
<b>FAGIOLINI, G.</b>		3904		FRANCIS, J. R. D.	3824		
<b>FAGIOLINI, G.</b>		3904		FRANK, C. E.	927		
<b>FAGIOLINI, G.</b>		3904		FRANK, O. J.	1850		
<b>FAGIOLINI, G.</b>		3904		FRANK, R. M.	3071		
<b>FAGIOLINI, G.</b>		3904		FRANKE, P.	3606		
<b>FAGIOLINI, G.</b>		3904		FRANKL, E. K.	1744		
<b>FAGIOLINI, G.</b>		3904		FRANZ, G.	1774		
<b>FAGIOLINI, G.</b>		3904		FRASER, D.	3424, 3559		
<b>FAGIOLINI, G.</b>		3904		FRASER, J. P.	2516		
<b>FAGIOLINI, G.</b>		3904		<b>G</b>			
<b>FAGIOLINI, G.</b>		3904		<b>G</b>			
<b>FAGIOLINI, G.</b>		3904		GABRAY, E. J.	2385		
<b>FAGIOLINI, G.</b>		3904		GABEAUD, L.	572		
<b>FAGIOLINI, G.</b>		3904		GABRECHT, G.	3607		
<b>FAGIOLINI, G.</b>		3904		GABRIEL, A. F.	1127		
<b>FAGIOLINI, G.</b>		3904		GADEN, D.	3919		
<b>FAGIOLINI, G.</b>		3904		GAEBLER, G. A.	928		
<b>FAGIOLINI, G.</b>		3904		GAGUA, M.	382		
<b>FAGIOLINI, G.</b>		3904		GALE, A. G.	2945		
<b>FAGIOLINI, G.</b>		3904		GALE, L. J.	243		
<b>FAGIOLINI, G.</b>		3904		GALLAGHER, HELEN M.	2560		
<b>FAGIOLINI, G.</b>		3904		GALLE, K. R.	842		
<b>FAGIOLINI, G.</b>		3904		GALLIA, A.	1771		
<b>FAGIOLINI, G.</b>		3904		GAMBUCCI, B. J.	1554		
<b>FAGIOLINI, G.</b>		3904		GAMI, D. C.	1265		
<b>FAGIOLINI, G.</b>		3904		GANTMAKER, F. R.	2370		
<b>FAGIOLINI, G.</b>		3904		GARBER, H. J.	593		
<b>FAGIOLINI, G.</b>		3904		GARDON, R.	3728		
<b>FAGIOLINI, G.</b>		3904		GARLAND, W. A.	1759		
<b>FAGIOLINI, G.</b>		3904		GARNER, F. H.	2072		
<b>FAGIOLINI, G.</b>		3904		GARNER, H. C.	1568, 1900		
<b>FAGIOLINI, G.</b>							

GELBRAS, J.	1060	GOODY, R. M.	2343	GUDERLEY, G.	846, 852, 3643	HARDY, R. C.	3699
GELEJI, A.	3600	GURBUNOV-POSADOV, M. I.	638	GUENOCHÉ, H.	3393	HARDY, R. M.	964
GEL'FAND, I. M.	1359	GORDON, R. L.	2585	GUERIN, H.	3386	HARGEST, T. J.	903
GEMANT, A.	836	GÖSELE, K.	1660	GUERNSEY, R., JR.	3155, 3156	HARNETT, J. P.	1278
GENEVE, L. F. C. A.	3365	GOSSARD, E. E.	2025	GUEST, P. G.	4, 387	HARPER, D. B.	945
GENNA, S. J.	2300	GOSSARD, M. L.	252	GUEVEL, P.	828	HARPER, J. A.	2562
GEORGE, T. W.	492	GOTTLIEB, S. M.	1209	GUITTARD, J.	1654	HARRIN, E. N.	1881
GERARD, G.	1072	GOTTSCHAALK, L. C.	654	GUKHMAN, A. A.	602, 629	HARRIS, L. A.	3186, 3219
GERASSIMOW, S. G.	2082	GOUFMAN, I. N.	3731	GUMBEL, E. J.	1117	HARRIS, M. E.	2654
GERBER, N.	1206	GOUGH, V. E.	1013, 2069	GUMBRELL, S. M.	2503	HARRISON, A. S.	169
GERBER, O.	1662	GOULD, J. P.	968	GUNAJI, V. N.	1244	HARRISON, E. S.	481
GERBER, R.	3618	GOULD, L. A.	713	GUNNEIT, R.	2474	HARRISON, W. N.	1821
GERCKE, M. J.	1419	GOULD, R. W. F.	1246	GUREVICH, M. I.	3942	HARRON, R. J.	2091
GERMAIN, P.	1362	GOW, J. T.	1122	GÜRSY, F.	9	HARROP, R.	1549, 2369
GERONIMUS, YA. L.	2743	GOWEN, F. E.	231	GUSCHWITZ, E.	194	HART, J. R.	1990
GERRING, F. H.	1730	GOWER, I. W.	1990	GUSTAFSON, A. F.	1329	HART, R. W.	2312
GERSCH, H. A.	1259	GRABER, D. D.	4042	GUSTAFSON, F. B.	913	HARTLEY, E. L.	1920
GERSHUNI, G. Z.	1956	GRABNER, R.	1510	GUSTAFSON, P. N.	413, 3478	HARTMANN, E. C.	1818
GERSTLE, K. H.	1416	GRAYCE, W.	3329	GUTH, E.	2597	HARTNETT, J. P.	2612, 3000
GERVAIS, A. M.	1791	GRAFFI, D.	14, 3813	GÜTH, W.	633		
GHAI, M. L.	2301	GRAHAM, E. W.	569, 2234, 3281	GUTHMANN, V. K.	4038		
GHASWALA, S. K.	2494	GRAHAM, G. M.	2330	GUTTMANN, F.	1940		
GHIZZETTI, A.	1520	GRAHAM, R. D.	347	GUT'YAR, E. M.	3437		
GHOSH, S. K.	1395, 2408, 3140	GRAHAM, R. W.	4025	GUYON, Y.	773		
GIANGRECO, E.	22, 2151	GRALÉN, N.	1138	GUZMÁN, A. M.	2131		
GIANNONE, A.	1270	GRAMMEL, R.	694, 710, 2398	GYENGÖ, T.	3548		
GIBBS, H. J.	650	GRANDINE, L. D., JR.	815	<b>H</b>			
GIBRAT, R.	166, 533	GRANDVIONNET, J.	3052	HAAG, J.	415		
GIBSON, J.	3582	GRANER, W. R.	3443	HABEL, A.	757, 758, 3556, 3871		
GIBSON, R. E.	2007, 2009	GRANT, A. F., JR.	2647	HABEL, L. W.	1611		
GIBSON, W. E.	2584	GRANT, F. C.	3295	HABETLER, G.	4022		
GIEDT, W. H.	2180	GRANT, H. P.	2204	HABIB, P.	1321		
GIESE, J. H.	1934	GRANT, N. J.	1791, 3583	HACKER, P. T.	1221		
GIESELE, L. P.	1179	GRANVILLE, P. S.	1559	HADKEKEL, R.	1228, 3250		
GIFFEN, E.	2642	GRASSHOFF, H.	1029, 2132	HADLATZSCH, P.	534		
GIFFORD, F., JR.	3773	GRASSI, R. C.	154	HAFEMEISTER, R. N.	4068		
GIFFORD, F. W.	1456, 2859	GRAVES, C. C.	926	HAFER, A. A.	265		
GIFKINS, R. C.	3212	GRAVINA, P. B. J.	3873	HAFERD, A. M.	101		
GILBARG, D.	2531, 3635	GRAY, A. N.	1074	HAGEMANN, J. G.	1756		
GILBERT, M.	2677	GRAY, C. A. M.	738, 3921	HAGERMAN, J. R.	227		
GILBERT, W. W.	820, 2896	GRAY, R. M.	3500	HAGG, A. C.	1684		
GILG, B.	2456	GRAY, R. T.	1047, 2788	HAHN, L.	2425		
GILKEY, H. T.	1647	GRAY, V. H.	235	HAHN, R. S.	156, 157, 821		
GILL, S. S.	3870	GRAY, W. L.	2563	HAHN, W.	1724		
GILLEL, F.	980	GREATHEAD, W. R.	2339	HAHNEMANN, H. W.	1298, 2297		
GILLEMONT, L.	3537	GREATREX, F. B.	3400	HAIGOLD, F.	3078		
GILLES, A.	1190	GRECHUKHIN, A. I.	1143	HAJTO, N.	126		
GILLESPIE, S. L.	3119	GREEN, A. E.	51, 2416	HALES, K. C.	1631		
GILMAN, J., JR.	894	GREEN, A. P.	103, 3206, 3210	HALL, K. C.	254, 3675		
GILMAN, S. F.	1875	GREEN, H. S.	1623, 1702	HALL, A. C.	3122		
GILMORE, G. D.	620	GREEN, J. W.	1360	HALL, A. H.	3672, 3992		
GILUTIN, E. Z.	2559	GREEN, L. JR.	203, 503, 4057	HALL, A. M.	800, 801		
GILVARRY, J. J.	373	GREEN, W. L.	3870	HALL, A. R.	2679		
GINSBURG, A.	577	GREENBERG, S. A.	2869	HALL, A. S.	2074, 3463		
GINZBURG, B. L.	386	GREENE, T. R.	422	HALL, E. O.	1109		
GIONFRIDDO, M. P.	3981	GREENFIELD, S. H.	1130, 1499	HALL, F. C.	2253		
GIRERD, H.	3697	GREENING, J. R.	571	HALL, H. W.	1828		
GIRKMANN, K.	2827, 3538	GREENWOOD, N. N.	2605	HALL, I. M.	2587		
GIRSHICK, M. A.	3458	GREGG, J. L.	3736	HALL, J. G.	3694		
GITTINGS, C. E.	1656	GRÉGOIRE, M.	2968	HALL, L. D.	509		
GUILIANINI, A.	3718, 4024	Gregor, R.	2625	HALL, N. A.	920, 3336		
GLADKOV, V. A.	1518	GREGORY, C. A., JR.	2681	HALLIDAY, W. M.	2883		
GLANSDOFF, P.	1946	GREGORY, N.	560, 570, 1605, 1608	HAMA, F. R.	211, 861, 2232, 2542		
GLASSMAN, I.	4047	GREINACHER, H.	1374	HAMAKER, F. M.	2225		
GLAURITZ, H.	1116	GREISCH, R.	3195	HAMEL, G.	2437		
GLEESON, T. A.	3429	GRESIAEV, A. D.	338	Hamer, J. P.	822		
GODFREY, D.	3215, 3216	GREY, J.	585, 4000	HAMILTON, E. L.	1336		
GODRIDGE, A. M.	3704	GRIPPIN, K. H.	2139	HAMM, J. R.	1979		
GODSAVE, G. A. E.	2682	GRIPPIN, R. F.	1842	HAMMAN, H.	3588		
GODSON, W. L.	2040	GRIPPIN, W. R.	344	HAMMOND, W. E.	942		
GOEREL, E.	3587	GRIPPIN, W. R.	745	HAMPE, W.	1310		
GOHLKE, W.	331	GRINBERG, G. A.	752	HAMPSON, H.	939		
GÖHRE, E.	3598	GRINTER, L. E.	12, 3194	HAMRICK, J. T.	3678		
GOLAND, M.	2096	GRIOLI, G.	1389	HANCOCK, G. J.	1213		
GOLD, H.	3117	GRISODUB, Yu. N.	835	HANDELMANN, G. H.	492, 3877		
GOLDBERG, A.	269	GRÖBNER, W.	1396	HANDLEY, L. R.	2251		
GOLDBERG, J. E.	66, 441, 2394	GROSS, B.	1091, 1102	HANEMAN, V. S.	1361		
GOLDER, H. Q.	2016	GROSS, G. L.	898	HANIN, M.	1168		
GOLDHAMMER, B. F.	2802	GROSS, N.	3523, 3524	HANSEN, J. B.	1318		
GOLDSTEIN, D.	2287	GROSS, R. A.	3013	HANSEN, M.	132, 947, 2960		
GOLDSWORTHY, F. A.	553	GROSS, W.	3112	HANSEN, R. J.	2753		
GOLUBEV, V. V.	688	GROSSETTI, E.	3032	HANSEN, W. C.	934		
GOLUBEVA, O. V.	3926	GROSSMAN, P. R.	1978	HARASIMA, A.	830		
GONIKBERG, M. G.	1943	GROTH, K.	2256	HARDER, O. E.	1122		
GONTIER, G.	1882	GROVE, J. R.	2317	HARDING, H. V.	2891		
GOODIER, J. N.	1735, 2090, 2115, 2809, 3150	GROVER, J. H.	3017, 4046	HARDRATH, H. F.	793, 2849, 3577		
GOODMAN, A.	3299	GROVER, L. M.	2814	HARDWICK, W. R.	2893		
GOODMAN, L. E.	734, 2407	GRUBER, E.	3521, 3848	HARDY, H. B., JR.	670		
GOODMAN, S.	3581	GRUBER, J.	256, 2255, 3685	HARDY, H. C.	327		
GOODMAN, T. R.	280	GRUMER, J.	2654	HARDY, J. K.	600, 1944		
GOODSON, K. W.	873	GRUNER, E.	3059	HESSE, S. L.	3071		
GOODWILL, D.	2903	GRUNER, G.	3059	HESSENBERG, W. C. F.	3906		
GOODWIN, J. M.	2220	GRUNZEIG, J.	3564	HEUGHAN, D. M.	1205		
		GUBKIN, S. I.	1840, 3595	HEUMANN, H.	56, 3843		
				HEYER, E.	55, 748		
				HEYER, R. H.	1112, 1113		
				HEYMAN, J.	768, 1446		
				HEYWOOD, R. B.	1809, 2107		
				HIBBERT, CELESTA J.	2973		
				HICKEY, J. S., JR.	1280		

## AUTHOR INDEX TO APPLIED MECHANICS REVIEWS, VOL. 7, 1954

15

HICKMAN, W. A.	1757	HOUBOLT, J. C.	884	ISAKOVICH, M. A.	504	JORCZAK, J. S.	1501
HICKS, R.	3519	HOUDREMONT, E.	1802, 2858	ISAY, W. H.	3621	JORDAN, G. V., JR.	2984
HICKSON, V. M.	3834	HOUGHTON, H. G.	3768	ISERLAND, K.	897	JORDAN, R. J.	3714
HIDA, K.	3647	HOUSEHOLDER, A. S.	3095	ISHKIN, I. P.	917	JORISSEN, A. L.	2963
HIDESHIMA, T.	116	HOUSNER, G. W.	342	ISIBASI, T.	2178	JOBT, W.	940
HIEREL, G.	3996	HOWARD, H. C., JR.	3396	ISLES, G. L.	291	JOUSERANDOT, P.	1885
HIGASHI, A.	2003	HOWE, D.	490, 1089, 3297	ITO, H.	557, 1535	JUDD, J. H.	3366
HIGHRITER, H. W.	1127	HOWE, R. M.	1361	IURA, T.	3313	JUHASZ, I. S.	1645
HIGTON, D. J.	911	HOWE, W. H.	3691	IVANOV, A. E.	1519	JUMIKIS, A. R.	4076
HIGUCHI, M.	1425, 1426, 1739	HOWELL, H. G.	1014, 1016, 4099	IVANOVA, L. S.	3526	JUNG, H.	690, 1798, 2191, 2766
HIKAGE, T.	98	HOWELL, W. C., JR.	822	IVANTSOV, G. P.	617, 628	JUNGBLUTH, O.	755
HIKATA, A.	2328	HOWES, E. T.	2356	IVERSEN, H. W.	261, 2252	JUNGER, M. C.	1722, 2761, 3172
HILBERT, D.	2057	HOWLAND, W. E.	830	IVERSON, N. L.	479	JUOY, M.	3393
HILDEBRAND, F. B.	1367	HOYDEN, A.	3855	IVY, R. J.	488	JURY, S. H.	593
HILL, H. N.	1818, 2445	HRUBAN, K.	1430, 3540	IWANAMI, S.	2964, 2965	JUVE, A. E.	141
HILL, H. V.	3162	HYRNISZAK, W.	1297	IWAASAKI, M.	3994		
HILL, R.	104, 1096, 1142, 2472, 2476, 3204	HSIAO, C. C.	811	IWASYK, S.	1460		
HILLIER, E.	3804	HSU, C. S.	1735, 3150	IWAYANAGI, S.	116		
HILLIER, K. W.	3901	HSU, E.-Y.	543				
HILSENRAH, J.	1948	HSU, N. T.	1552, 3734	JACK, J. R.	1184, 3962	KAAER, P. H.	44
HILTON, H. H.	2253	HU, L. W.	492	JACK, W. A.	4071	KACHANOV, L. M.	1099
HILTON, J. H., JR.	3624, 3625	HUBBARD, H. H.	324, 326, 4069	JACKSON, J. H.	800, 801, 1122	KACNER, A.	442
HILTSCHER, R.	437, 2109	HUBBARD, J. C.	1309	JACKSON, T. A. S.	1007	KAGI, V. H.	1506
HIMSWORTH, F. R.	3225	HUBBARD, P. G.	3618	JACKSON, T. E.	1232	KAHANE, A.	1541
HINDERSINN, K.	2908	HUBBARD, S. M.	2557	JACOBS, P.	1257	KAINER, J. H.	881, 1537
HINDS, M. K.	4084	HUBBARD, W. N.	4059	JACOBS, W.	2552	KAISSER, H.	3974
HINKELMANN, K.	4091	HUBBELL, W. G.	2175	JACOBY, D. R.	3687	KAISSER, J.	3223
HINKLE, R. T.	1378	HUBER, R. W.	2816	JAEGER, C.	1152, 3929	KAJIMA, T.	3337
HINTERMAIER, J. C.	1829	HUCHET, R.	609	JÄGER, K.	76, 1082	KALICINSKI, J.	789
HINTON, C.	3999	HUCKEL, VERA	3311	JAIN, S. C.	2607, 4018	KALINSKE, A. A.	339
HIRANO, F.	1284, 2626	HUCKS, H.	153	JAMES, H. A.	1203	KALKMAN, C. M.	3977
HIRONE, T.	2601	HUDSON, D. E.	1012	JAMES, H. M.	2597	KAMINSKY, E. L.	3560
HIRSCH, H.	251	HUFF, H. A., JR.	2813, 3534	JAMES, W. H.	3462	KÄMMERER, C.	2313
HIRSCHFELDER, J. O.	921, 1937, 1975, 2594, 3748	HUGGINS, M. W.	2865	JAMIESON, J. R.	1647	KAMPE, H. J.	359
HIRST, W.	3151	HUGGINS, MARY T.	885	JANAKIRAM, G.	255, 1239	KAMPÉ DE FÉRIET, J.	527
HISADA, T.	810	HUGHES, D. R.	1976	JANES, W. C.	2794	KANAI, K.	1675, 2406
HISLOP, G. S.	4087	HUGHES, D. S.	1035	JANICHÉ, W.	803	KANE, T. R.	2760
HJELMSTRÖM, P.	2068	HUGHES, J. E.	2810	JANIK, F.	770	KANE, W. R.	2649
HOADLEY, A.	2769	HUGHES, P. J.	807	JANSSEN, J. H.	3042	KANTER, I.	724
HOARD, R. J.	3442	HULTZCH, E.	159	JARDETZKY, W. S.	343	KANTOROVICH, B. V.	1984
HOCKEL, H. L.	364	HUMPHREYS, H. W.	304	JARRE, G.	257	KAPADNIS, D. G.	1632, 3002
HODGE, P. G., JR.	492, 2848, 3570	HUNDY, B. B.	131	JARRETT, G. W.	408	KAPLAN, C.	2208
HODGINSON, T. G.	3041	HUNSINGER, W.	924	JASNOGORODSKI, I. S.	3580	KAPLAN, L. D.	346
HODSON, P.	2646	HUNT, D. LE M.	110	JASPAR, J. L.	969	KAPLITA, T. T.	1543, 3634
HOELSCHER, R. P.	1375	HUNT, J. N.	2093	JASPER, N. H.	2050, 3081	KAPIUS, R.	1406
HOERNER, S. F.	4101	HURT, R. D.	2236	JÁSZAY, T.	2304	KAPRYAN, W. J.	888, 1564
HOFF, N. J.	68, 1748, 2444, 2806	HUNTER, P. A.	2588	JEFFREYS, H.	993	KARAFIÁTH, L.	3416
HOGAN, W. E.	3585	HUNTER, T. A.	2137	JEFFS, R. A.	1920	KARIM, S. M.	1176
HOGNSTAD, E.	753	HUNTER-TOD, J. H.	1761	JENCKEL, E.	2477	KARLOVITZ, B.	3016, 4044
HOHNE, W.	1891	HUNTON, L. W.	1203, 1207	JENKINS, R.	202	KARLSSON, H.	942, 3753
HOLDEN, D. W.	592, 909, 3327	HURD, C. W.	173	JENKINS, W. N.	3906	KARP, I. M.	2266
HOLDT, H.	124	HURDEN, D.	277	JERLOV, N. G.	340	KARENKO, G. V.	500
HOLL, J. W.	1875	HURLEY, D. G.	191	JERRARD, R. F.	1745	KARPOVSKAYA, È. B.	3096
HOLLAND, B. H.	1968	HURON, R.	3611	JESSOP, H. T.	2781	KARPOFF, K. P.	2700
HOLLANDER, L.	2751	HUSTON, W. B.	3331, 3980	JEWEL, J. W., JR.	3302	KARRHOLM, E. MARIANNE	813
HOLLER, E. J., JR.	1988	HUTH, J. H.	1058, 1731, 3091	JIMINEZ SALAS, J. A.	2010	KARUNES, B.	431, 1738, 1740
HOLLERAN, E. M.	3371	HWANG, C.	1472	JINNO, H.	3397	KARUSH, W.	1036
HOLLIES, N. R. S.	1829			JOGA RAO, C. V.	732	KASAHARA, A.	658, 979
HOLLMANN, G.	1334, 2029			JOHN, F.	1856	KASAHA, K.	2094
HOLLOMON, J. H.	1481			JOHN, R. R.	4047	KASTAN, H.	819
HOLLYER, R. N.	3957			JOHNSEN, I. A.	577	KASTELEYN, M. L.	3755
HOLMAN, A. T.	3248			JOHNSON, A. E., JR.	3201	KATZ, C.	4059
HOLSTERS, H.	1516			JOHNSON, A. J.	3080, 3441	KATZ, E. F.	3139
HOLT, MARSHALL	3235			JOHNSON, E. F.	4034	KAUFMAN, H.	2749
HOLTAN, H., JR.	2599			JOHNSON, G. E.	2521	KAUFMAN, M.	3211
HOLTON, W. C.	1982, 2022			JOHNSON, H. A.	1278, 2612, 3000	KAWAGUTI, M.	1530
HOLTZ, W. G.	650			JOHNSON, H. I.	2588	KAWAMURA, T.	851
HOLZMANN, E. G.	707			JOHNSON, J. E.	1817	KAWASUMI, T.	3922
HOMES, G. A.	3536			JOHNSON, J. H., JR.	3516	KAWATA, S.	4039
HONDA, M.	858			JOHNSON, R. L.	3439, 4097	KAY, J. M.	866
HONIG, J.	4094			JOHNSON, R. M.	1923	KAYE, J.	3001
HÖNL, H.	3406			JOHNSON, S. J.	3053	KAYS, W. M.	616, 2613, 3722
HONNACHI, Y.	644			JOHNSTON, B. G.	109, 1431, 1796, 1797	KAZAKEVICH, N. L.	2745
HOOD, B. G.	812			JOHNSTON, D. L.	2778	KAZAKOV, N. F.	522
HOON, R. C.	4078			JOHNSTON, E. R.	3839	KEARTH, W. J.	580
HOOPER, F. C.	1645			JOHNSTON, G. S.	2800	KEEL, C. G.	150
HOPKIN, L. M. T.	1100, 1799			JOHNSTON, G. W.	192	KEEN, E. D.	92
HOPKINS, B. E.	802			JOHNSTON, I. H.	1921	KEESOM, W. H.	3709
HOPKINS, E. G.	2271			JOHNSTON, J. F.	2237	KEIFER, C. J.	1843
HOPKINS, H. G.	492, 761, 1435, 1752			JOISBL, A.	2195	KELBER, C.	3636
HOPPMANN, W.	1003			JONAS, P. G.	3862	KELL, R. J.	3310
HOPPE, W.	6			JONES, A. L.	2391	KELLER, A.	2578
HOPPMANN, W. H., II.	1483			JONES, B.	3891	KELLER, G.	2334
HOREJSI, J.	1465			JONES, C. W.	375, 3632	KELLER, J. B.	1401, 3272
HORMANN, E.	2812			JONES, D. H.	262	KELLER, P.	1855
HORNE, G. T.	3571			JONES, E.	2314	KELLER, W. M.	3077
HORVAY, G.	1047, 1057, 2410, 2788, 3170, 3455			JONES, E. R. W.	128	KELLERMANN, R.	3905
HOSEK, J.	766			JONES, G. W., JR.	1218	KELLEY, J. L.	3046
HOBOKAMA, K.	2045			JONES, P. R.	3229	KELLOGG, F. H.	3112
HOTTEL, H. C.	2315, 3394, 4045			JONES, R.	1584	KELLY, H. R.	2920
HOTTENROTT, E.	2855			JONES, R. P. N.	2395	KELLY, J. A.	883, 3662
				JONES, R. W.	1226, 1573, 1587,	KELLY, J. L.	1035
				3884	3671	KEMENY, G. A.	2298
						KEMP, G. T.	2683

## AUTHOR INDEX TO APPLIED MECHANICS REVIEWS, VOL. 7, 1954

AUTH

KEMP, N. H.	1919, 4063	KOCH, W. M.	3836	KUO, H. L.	2030	LEFEBVRE, A. H.	2632, 2673
KEMPER, H.	2174	KOCHANOWSKY, W.	669	KUO, Y. H.	3939	LEFEVRE, E. J.	2603
KEMPNER, J.	492, 1104, 1432, 1748, 1785, 1786, 3171	KOCHENDÖRFER, A.	785, 2163, 3565	KUROVSKI, F. M.	393	LE GALLO, J.	1873
KENNARD, E. H.	2438	KOEHLER, W. A.	3229	KURTZE, G.	3409	LEGENDRE, R.	224, 1180, 3669, 3984
KENNEDY, A. J.	100, 1077, 1101, 1475	KOFODIMOS, T. J.	1458	KURUTZ, I.	3557	LEGGETT, D. M. A.	3515
KEPPEL, R. E.	1650	KOFSKEY, M. G.	843	KURZ P. F.	1971, 4051, 4052	LEGRAS, J.	3277
KEREKES, F.	2834	KOHAUT, A.	2862	KUSCER, I.	1957	LE GRIVES, E.	1878
KERKHOF, W. P.	3520	KOHL, M.	1826			LEHRMAN, DORIS E.	1570, 3983
KESSLER, H. D.	1820	KOHN, P.	1025			LEIBFRIED, G.	2602
KESTER, R. H.	209, 268, 3288	KOITER, W. T.	492, 779			LEIDE, N. G.	367, 3082
KESTIN, J.	517, 579, 1363, 1938, 2738	KOLANO, F. J.	3438			LEIDENFROST, W.	931
KESTIN, K.	3959	KOLESNIKOV, A. G.	2995			LEIKER, M.	297, 2305
KETTER, R. L.	3566	KOLIN, A.	1533			LEIN, G.	2424
KETTLEBOROUGH, C. F.	1343, 3436	KOLLBRUNNER, C. F.	460			LELAND, H. L.	822
KEUCLEGAN, G. H.	1031	KÖLLE, H. H.	301, 1579			LE MANACH, J.	3283
KEUNE, F.	1546, 2527, 2926	KOLLMANN, K.	364			LEMCKE, G.	1145
KEYES, F. G.	1628	KOLOM, A. L.	1503			LEMKE, C. E.	3798
KHAKIMOV, KH. R.	627	KOLOSSVARY, B. G.	2586			LENZ, W.	1260
KHANNA, M. L.	2301	KOLSKY, H.	418, 492, 3821			LEONARDS, G. A.	2701
KHANNA, M. N.	2884	KOMMERS, W. J.	449			LEONE, W. C.	1833, 2506
KHANNA, P. L.	4078	KONING, L. P. G.	1341			LEONIARD, A.	3470
KHARANEN, V. Y.	3038	KONZO, S.	1617, 1875			LEOPOLD, L. B.	530
KHARKEVICH, A. A.	3479	KOPZON, G. I.	423			LEPETOV, V. A.	3902
KHASKIND, M. D.	3942	KORNHAUSER, E. T.	717, 3029			LEPPERT, G.	2289
KHEIN, A. L.	3066, 3067	KOROBKIN, I.	1200			LESHER, E. J.	2932
KHUSID, S. D.	1839	KORST, H. H.	315			LESSY, P.	1396, 1695
KIEFFER, J.	2975	KOTIK, J.	527			LESNIEWICH, A.	1443
KIEL, A.	2720	KOVÁČS, G.	2207			LESNIAK, Z.	486
KIENTZLER, C. F.	3009	KOVASZNAY, L. S. G.	3286			LESSEN, M.	1037, 2409
KIENZLE, O.	2889	KOWALKOWSKI, H.	1142			LETH, C. F. A.	2759
KIES, J. A.	3884	KOZACKA, J. S.	1127			LETKO, W.	3947
KIHARA, T.	2659	KOZENY, J.	2513			LETNER, H. R.	823
KIKITA, T.	2659	KOZIARSKI, J.	3859			LEVETTE, G. N.	2805
KILLER, J.	3867	KOZMANOV, Y. D.	1819			LEVINE, D. A.	767
KILLIN, A. J.	3805	KRAFFT, J. M.	2489			LEVINE, R. S.	1045
KIMBALL, W. S.	3089	KRALGELSKY, I. V.	701			LEVINSOHN, M.	1346
KINDSVATER, C. E.	481, 3252	KRAICHNAN, K. H.	2684			LEVON, K. C.	590
KING, H. W.	3917	KRAMER, M.	2233			LEVY, S.	769, 1275, 1279, 1719,
KING, R. F.	1253, 1500, 3586	KRAMES, J. L.	3460		1954, 3357		
KING, W. B.	739	KRASNOSHICHEKOV, E. A.	3725			Lewis, A.	2633
KINOSHITA, K.	1380	KRAUS, S.	2241			Lewis, D. M.	3602
KIPP, E. M.	1344	KRAUSE, H. G. L.	581			Lewis, F. M.	3318
KIRBY, P. L.	1394	KRAVTCHEKO, J.	3064			Lewis, W.	2033
KIRKPATRICK, H. B.	1821	KREBS, K.	1053			LEYENSETTER, W.	824
KIRKWOOD, J. G.	290	KREFELD, W. J.	1437			L'HERMINIER, R.	647, 2340
KIRSCHBAUM, E.	3732	KREIPE, T. F.	2617			L'HERMITE, R.	1405
KIRSHNER, H. A.	2269	KREMNEV, O. A.	625			Li, C. H.	2872
KIRSTE, L.	454	KRETTNER, J.	40, 2439, 2442, 2798			Li, C. Y.	3061
KIRTLEY, J. G.	2633	KRIG, K. H.	3177			Li, H.	2209
KISHIMOTO, T.	3031	KRIEGER, I. M.	2841			Li, T.-Y.	196
KISTLER, A. L.	1551	KRIETEMEIJER, J. H.	2052			Li, W.-H.	1514
KITO, F.	1358	KRISCH, A.	1737, 1812			Li, Y. T.	267, 1924
KITOVER, K. A.	432	KRISHNA RAO, K. V.	1480			Liang, S. C.	3712
KITTEL, C.	93	KRISHNAN, K. S.	2607, 4018			LIBBY, J. R.	772
KIVISILDE, H.	3928	KRISHNAN, R. M.	2884			LIBBY, P. A.	3655
KLEBANOFF, P. S.	1198	KROLL, WILHELMINA D.	1719, 1759			LIBOVE, C.	759
KLEIN, A. L.	2005	KROMM, A.	1056			LICHENSTEIN, J. H.	1577
KLEIN, A. M.	32	KRON, G.	675			LIDDLE, A. H., JR.	588
KLEIN, G.	3334	KRONIG, R.	1859			LIEBELEIN, J.	3795
KLEIN, H.	1576, 1596, 3985	KRUG, C.	2507			LIEBERMANN, G.	384, 2376
KLING, R.	1273	KRUITHOFF, R.	2487, 3233, 3584			LIÉNARD, P.	1391, 4073
KLOKNER, F.	3540	KRUSE, E.	2488			LIEPMANN, H. W.	860
KLOOT, N. H.	3239	KRUSHCHOV, M. M.	512			LIGER, M.	3637
KLÖPPEL, K.	755	KRUSZEWSKI, E. T.	2393			LIGHILL, M. G.	2294
KLOTZ, J. A.	3048	KRYUKOV, S. N.	1967			LIGHILL, M. J.	250, 864
KLUITENBERG, G. A.	1622, 2596	KRZYWOBLOCKI, M. Z.	544, 869, 870, 1194, 1867, 2073, 2925, 3958			LILLEY, G. M.	3401
KLUZ, T.	809	KU, Y. H.	2063			LIN, C. C.	204, 1201
KNAPP, H.	2690	KUETHE, A. M.	1202			LIN, S.-C.	2529
KNAPSCHAFFER, D. H.	4044	KUCHEMANN, D.	1211, 1898, 2547			LIN, T. H.	3567
KNECHTEL, E. D.	2272	KUCKELMANN, G.	3765			LIN, T. V.	488
KNESBACH, S. L.	1814	KUDRYASHEV, L. I.	1282			Lin, T.-Y.	1454, 1459, 1556
KNESER, H. O.	3208	KUENZI, E. W.	2804			LINA, L. J.	3072
KNITTEL, G.	2851	KUESSNER, H. G.	3640			LINDBECK, S. L.	3912
KNORRE, G. F.	3382	KUHN, H. O.	341			LINDBERG, J.	1136, 1138
KNOWLES, J. K.	492, 1827	KUETHE, A. M.	1202			LINDGREN, E. R.	3259, 3269
KNOX, J. H.	3019	KUHN, P.	1445			LINDGREN, H.	366
KNUDSEN, K. E.	1796, 3839	KÜHNEL, R.	1490			LINDLEY, D. V.	685
KOBAYASHI, T.	1677	KUHN, P. W.	2911			LINDNER, C. P.	3431
KOBLE, R. A.	3229	KULIKOV, N. K.	416			LINK, H.	83
KOBRYNSKI, M.	4073	KUMADA, K.	123			LINNNECKEN, H.	2257
KOCH, H. W.	406	KUMAR, T.	414, 3484			LINNETT, J. W.	2650
		KUMAR, S.	732			LIPPERT, W. K. R.	320, 4066, 4067
		KUNII, D.	2620			LIPSCOME, E. B.	833
		KUNKEL, W. B.	3692			LIPSTEIN, N. J.	3391
		KUNUGI, M.	3397			LISOWSKI, A.	483
						LITTLE, G.	3197
						LITTLEFIELD, R.	2581

LITTMAN, T. M.	1263
LIU, C. K.	43
LIU, F. F.	4000
LIU, H.-C.	417
LIU, T.-S.	586
LIVESLEY, R. K.	2828, 2829
LIVINGOOD, J. N. B.	1285, 1286, 1639
LIVOVICH, A. F.	930
LJUNGSTRÖM, O.	1783
LO, H.	2394, 2401
LO, R. K.	3722
LOBDELL, J. H.	2677
LODGE, A. S.	4099
LOEB, J. M.	3124
LOEHR, H.	3185
LOEWEN, E. G.	3914
LOEWER, A. C.	3889
LOEWNER, C.	548
LOHR, E.	13
LOFTSIANSKII, L. G.	1172
LOIZOU, N.	1124
LOMAX, H.	229, 238, 241
LONDE, P.	2012
LONDON, A. L.	946, 2571, 3722
LONDON, J. C.	922
LONG, M. V.	707
LONG, R.	2672
LONG, R. A.	510, 2175
LONG, R. R.	353, 538
LONGMAN, I. M.	3564
LONGUET-HIGGINS, M. S.	421
LONSDALE, E. M.	524
LORENZ	2342
LORENZ, E. N.	2037
LORENZ, H.	646
LÖSCH-SCHOBLIK	1008
LOSSIEVSKII, V. L.	3474
LOTKIN, M.	994
LOUAT, N.	2492
LOUWERSE, P.	2977
LOVASS-NAGY, V.	3346
LOVE, E. M.	886
LOVELESS, E.	3492
LOVELL, D. J.	937
LOW, A. J.	2698
LOW, G. M.	871, 1191, 2541
LOWE, J. R.	3791
LOWELL, H. H.	1292
LOZINSKII, M. G.	781
LUBANSKA, H.	2515
LUBKIN, J. L.	410
LUCAS, D. H.	2778
LUCAS, R.	1653, 3032
LUCK, G.	1290
LUDLAM, F. H.	1678
LUDLOFF, H. F.	424, 2530, 2532
LUFT, N. W.	2637
LUISONI, C. J.	2131
LUKASIEWICZ, J.	1594, 2273, 2575, 3326, 4004
LUKE, Y. L.	410, 684
LUMB, P.	2007
LUNBECK, R. J.	2977
LUNDBERG, G.	982
LUNDBERG, S.	4013
LUNDGREN, H.	2338
LUR'É, A. I.	3828
LUSH, K. J.	875, 1572
LUXENBERG, H.	2105
LUXFORD, R. F.	1832
LYGRISSE, P.	2554
LYMAN, J.	1729
LYONS, W. J.	1811
LYPE, E. F.	1599, 3340
LYSAHIT, V. E.	1112
LYTTELTON, R. A.	180, 1017
LYUBCHENKO, B. M.	88
LYUBOV, B. YA.	617, 628
M	
MACCREADY, P. B., JR.	2709, 4085
MACDONALD, D. K. C.	1651, 2600
MACDONOUGH, E. P.	1086
MACFARLANE, C. J.	1492
MACHLIN, E. S.	4095
MACHLUP, S.	918, 919
MACINANTE, J. A.	119
MACIOCE, E.	2635
MACK, C.	1711
MACKAY, D. S.	3290
MACKENZIE, I. M.	112
MACKIE, A. G.	4014
MACKS, E. F.	665, 666, 667
MACLEAN, D. J.	643
MACMILLAN, R. H.	3121
MACNEAL, R. H.	999, 1048, 1075, 2140, 2141, 3138
MADAN, M. P.	295
MADDEN, J. J.	3713
MADDOCK, J.	2432
MADDOCK, T., JR.	530
MADDOCKS, E. E., JR.	2315
MADELUNG, E.	3781
MAEDA, S.	2601
MAGGIOLI CAMPOS, O. J.	1230
MAGNEL, G.	2454
MAGNUS, W.	1365, 1366, 2056
MAGUIRE, S. G.	117
MAHENDROO, P. P.	2332
MAHOOD, R. F.	2581
MAILANDER, R.	2858
MAILLET, E.	3283
MAIR, W. A.	3279
MAJORS, H., JR.	2887, 2888, 3893
MAKINSON, R. E. B.	2368
MALISHCHEV, M. V.	636
MALKINA, R. L.	3854
MALLER, M. Z.	691
MALLET	85
MALMQVIST, L.	4011
MALONEY, J. T.	3858
MALVESTUTO, F. S., JR.	1566, 2545
MANHEIMER, Y.	3274
MANJOINE, M. J.	2194
MANACORDA, T.	16
MANDEL, J.	1316, 3056
MANDEL, P.	2729
MANDL, P.	855
MANGLER, K. W.	2249
MANHEIMER, Y.	3274
MANJOINE, M. J.	2156
MANN, J.	3476
MANSFIELD, E. H.	443, 751, 1466, 1758, 2837
MANSON, N.	2666
MANSON, S. S.	101, 436, 1743
MANSON, S. V.	4019
MANSUR, C. I.	1464
MANWELL, A. R.	3631
MARCELLO, C.	87
MARCH, H. W.	2804
MARCHAL, R.	3278
MARCHAND, R.	2703
MARCHAUD, F.	1873
MARCHO, E.	2201
MARCO, S. M.	3217
MARDLES, E. W. J.	3321
MARDLIER, F. J.	3227
MARGOLIS, K.	1892, 2218, 3960
MARIENS, P.	1950
MARIN, J.	492, 496, 1094, 2164
MARINI, M.	2923
MARKGRAF, H.-G.	2983
MARKL, A. R. C.	2122
MARKLAND, E.	1447
MARKSTEIN, G. H.	2306
MARKUS, G.	754
MARON, S. H.	2841
MARQUARD, E.	1726
MARRIS, A. W.	2610, 2611, 4021
MARSH, B. W.	3392
MARSHALL, I.	3237
MARSHALL, J. S.	362, 4090
MARSHALL, W. S. D.	1930
MARSLAND, A.	972
MARTEL, R. R.	342
MARTIN, A.	2782
MARTIN, A. V.	1036
MARTIN, B. W.	2998
MARTIN, E.	1995
MARTIN, J. C.	1206, 3979
MARTIN, L. H.	1307
MARTIN, M. H.	2909
MARTIN, R. A.	2605
MARTIN, R. J.	1875
MARTINA, A. P.	237
MARTINEK, J.	2937
MARTINOD, H.	1807
MARTINOT-LAGARDE, A.	1882
MACHLIN, E. S.	4095
MACHLUP, S.	918, 919
MACINANTE, J. A.	119
MACIOCE, E.	2635
MACK, C.	1711
MACKAY, D. S.	3290
MACKENZIE, I. M.	112
MACKIE, A. G.	4014
MACKS, E. F.	665, 666, 667
MACLEAN, D. J.	643
MACMILLAN, R. H.	3121
MACNEAL, R. H.	999, 1048, 1075, 2140, 2141, 3138
MADAN, M. P.	295
MADDEN, J. J.	3713
MADDOCK, J.	2432
MADDOCK, T., JR.	530
MADDOCKS, E. E., JR.	2315
MADELUNG, E.	3781
MAEDA, S.	2601
MAGGIOLI CAMPOS, O. J.	1230
MAGNEL, G.	2454
MAGNUS, W.	1365, 1366, 2056
MAGUIRE, S. G.	117
MAHENDROO, P. P.	2332
MAHOOD, R. F.	2581
MAILANDER, R.	2858
MAILLET, E.	3283
MAIR, W. A.	3279
MAJORS, H., JR.	2887, 2888, 3893
MAKINSON, R. E. B.	2368
MALISHCHEV, M. V.	636
MALKINA, R. L.	3854
MALLER, M. Z.	691
MALLET	85
MALMQVIST, L.	4011
MALONEY, J. T.	3858
MALVESTUTO, F. S., JR.	1566, 2545
MANHEIMER, Y.	3274
MANJOINE, M. J.	2156
MANN, J.	3476
MANSFIELD, E. H.	443, 751, 1466, 1758, 2837
MANSON, N.	2666
MANSON, S. S.	101, 436, 1743
MANSON, S. V.	4019
MANSUR, C. I.	1464
MANWELL, A. R.	3631
MARCELLO, C.	87
MARCH, H. W.	2804
MARCHAL, R.	3278
MARCHAND, R.	2703
MARCHAUD, F.	1873
MARCHO, E.	2201
MARCO, S. M.	3217
MARDLES, E. W. J.	3321
MARDLIER, F. J.	3227
MARGOLIS, K.	1892, 2218, 3960
MARIENS, P.	1950
MARIN, J.	492, 496, 1094, 2164
MARINI, M.	2923
MARKGRAF, H.-G.	2983
MARKL, A. R. C.	2122
MARKLAND, E.	1447
MARKSTEIN, G. H.	2306
MARKUS, G.	754
MARON, S. H.	2841
MARQUARD, E.	1726
MARRIS, A. W.	2610, 2611, 4021
MARSH, B. W.	3392
MARSHALL, I.	3237
MARSHALL, J. S.	362, 4090
MARSHALL, W. S. D.	1930
MARSLAND, A.	972
MARTEL, R. R.	342
MARTIN, A.	2782
MARTIN, A. V.	1036
MARTIN, B. W.	2998
MARTIN, E.	1995
MARTIN, J. C.	1206, 3979
MARTIN, L. H.	1307
MARTIN, M. H.	2909
MARTIN, R. A.	2605
MARTIN, R. J.	1875
MARTINA, A. P.	237
MARTINEK, J.	2937
MARTINOD, H.	1807
MARTINOT-LAGARDE, A.	1882
MACHLIN, E. S.	4095
MACHLUP, S.	918, 919
MACINANTE, J. A.	119
MACIOCE, E.	2635
MACK, C.	1711
MACKAY, D. S.	3290
MACKENZIE, I. M.	112
MACKIE, A. G.	4014
MACKS, E. F.	665, 666, 667
MACLEAN, D. J.	643
MACMILLAN, R. H.	3121
MACNEAL, R. H.	999, 1048, 1075, 2140, 2141, 3138
MADAN, M. P.	295
MADDEN, J. J.	3713
MADDOCK, J.	2432
MADDOCK, T., JR.	530
MADDOCKS, E. E., JR.	2315
MADELUNG, E.	3781
MAEDA, S.	2601
MAGGIOLI CAMPOS, O. J.	1230
MAGNEL, G.	2454
MAGNUS, W.	1365, 1366, 2056
MAGUIRE, S. G.	117
MAHENDROO, P. P.	2332
MAHOOD, R. F.	2581
MAILANDER, R.	2858
MAILLET, E.	3283
MAIR, W. A.	3279
MAJORS, H., JR.	2887, 2888, 3893
MAKINSON, R. E. B.	2368
MALISHCHEV, M. V.	636
MALKINA, R. L.	3854
MALLER, M. Z.	691
MALLET	85
MALMQVIST, L.	4011
MALONEY, J. T.	3858
MALVESTUTO, F. S., JR.	1566, 2545
MANHEIMER, Y.	3274
MANJOINE, M. J.	2156
MANN, J.	3476
MANSFIELD, E. H.	443, 751, 1466, 1758, 2837
MANSON, N.	2666
MANSON, S. S.	101, 436, 1743
MANSON, S. V.	4019
MANSUR, C. I.	1464
MANWELL, A. R.	3631
MARCELLO, C.	87
MARCH, H. W.	2804
MARCHAL, R.	3278
MARCHAND, R.	2703
MARCHAUD, F.	1873
MARCHO, E.	2201
MARCO, S. M.	3217
MARDLES, E. W. J.	3321
MARDLIER, F. J.	3227
MARGOLIS, K.	1892, 2218, 3960
MARIENS, P.	1950
MARIN, J.	492, 496, 1094, 2164
MARINI, M.	2923
MARKGRAF, H.-G.	2983
MARKL, A. R. C.	2122
MARKLAND, E.	1447
MARKSTEIN, G. H.	2306
MARKUS, G.	754
MARON, S. H.	2841
MARQUARD, E.	1726
MARRIS, A. W.	2610, 2611, 4021
MARSH, B. W.	3392
MARSHALL, I.	3237
MARSHALL, J. S.	362, 4090
MARSHALL, W. S. D.	1930
MARSLAND, A.	972
MARTEL, R. R.	342
MARTIN, A.	2782
MARTIN, A. V.	1036
MARTIN, B. W.	2998
MARTIN, E.	1995
MARTIN, J. C.	1206, 3979
MARTIN, L. H.	1307
MARTIN, M. H.	2909
MARTIN, R. A.	2605
MARTIN, R. J.	1875
MARTINA, A. P.	237
MARTINEK, J.	2937
MARTINOD, H.	1807
MARTINOT-LAGARDE, A.	1882
MACHLIN, E. S.	4095
MACHLUP, S.	918, 919
MACINANTE, J. A.	119
MACIOCE, E.	2635
MACK, C.	1711
MACKAY, D. S.	3290
MACKENZIE, I. M.	112
MACKIE, A. G.	4014
MACKS, E. F.	665, 666, 667
MACLEAN, D. J.	643
MACMILLAN, R. H.	3121
MACNEAL, R. H.	999, 1048, 1075, 2140, 2141, 3138
MADAN, M. P.	295
MADDEN, J. J.	3713
MADDOCK, J.	2432
MADDOCK, T., JR.	530
MADDOCKS, E. E., JR.	2315
MADELUNG, E.	3781
MAEDA, S.	2601
MAGGIOLI CAMPOS, O. J.	1230
MAGNEL, G.	2454
MAGNUS, W.	1365, 1366, 2056
MAGUIRE, S. G.	117
MAHENDROO, P. P.	2332
MAHOOD, R. F.	2581
MAILANDER, R.	2858
MAILLET, E.	3283
MAIR, W. A.	3279
MAJORS, H., JR.	2887, 2888, 3893
MAKINSON, R. E. B.	2368
MALISHCHEV, M. V.	636
MALKINA, R. L.	3854
MALLER, M. Z.	691
MALLET	85
MALMQVIST, L.	4011
MALONEY, J. T.	3858
MALVESTUTO, F. S., JR.	1566, 2545
MANHEIMER, Y.	3274
MANJOINE, M. J.	2156
MANN, J.	3476
MANSFIELD, E. H.	443, 751, 1466, 1758, 2837
MANSON, N.	2666
MANSON, S. S.	101, 436, 1743
MANSON, S. V.	4019
MANSUR, C. I.	1464
MANWELL, A. R.	3631
MARCELLO, C.	87
MARCH, H. W.	2804
MARCHAL, R.	3278
MARCHAND, R.	2703
MARCHAUD, F.	1873
MARCHO, E.	2201
MARCO, S. M.	3217
MARDLES, E. W. J.	3321
MARDLIER, F. J.	3227
MARGOLIS, K.	1892, 2218, 3960
MARIENS, P.	1950
MARIN, J.	492, 496, 1094, 2164
MARINI, M.	2923
MARKGRAF, H.-G.	2983
MARKL, A. R. C.	2122
MARKLAND, E.	1447
MARKSTEIN, G. H.	2306
MARKUS, G.	754
MARON, S. H.	2841
MARQUARD, E.	1726
MARRIS, A. W.	2610, 2611, 4021
MARSH, B. W.	3392
MARSHALL, I.	3237
MARSHALL, J. S.	362, 4090
MARSHALL, W. S. D.	1930
MARSLAND, A.	972
MARTEL, R. R.	342
MARTIN, A.	2782
MARTIN, A. V.	1036
MARTIN, B. W.	2998
MARTIN, E.	1995
MARTIN, J. C.	1206, 3979
MARTIN, L. H.	1307
MARTIN, M. H.	2909
MARTIN, R. A.	2605
MARTIN, R. J.	1875
MARTINA, A. P.	237
MARTINEK, J.	2937
MARTINOD, H.	1807
MARTINOT-LAGARDE, A.	1882
MACHLIN, E. S.	4095
MACHLUP, S.	918, 919
MACINANTE, J. A.	119
MACIOCE, E.	2635
MACK, C.	1711
MACKAY, D. S.	3290
MACKENZIE, I. M.	112
MACKIE, A. G.	4014
MACKS, E. F.	665, 666, 667
MACLEAN, D. J.	643
MACMILLAN, R. H.	3121
MACNEAL, R. H.	999, 1048, 1075, 2140, 2141, 3138
MADAN, M. P.	295
MADDEN, J. J.	3713
MADDOCK, J.	2432
MADDOCK, T., JR.	530
MADDOCKS, E. E., JR.	2315
MADELUNG, E.	3781
MAEDA, S.	2601
MAGGIOLI CAMPOS, O. J.	1230
MAGNEL, G.	2454
MAGNUS, W.	1365, 1366, 2056
MAGUIRE, S. G.	117
MAHENDROO, P. P.	2332
MAHOOD, R. F.	2581
MAILANDER, R.	2858
MAILLET, E.	3283
MAIR, W. A.	3279
MAJORS, H., JR.	2887, 2888, 3893
MAKINSON, R. E. B.	2368
MALISHCHEV, M. V.	636
MALKINA, R. L.	3854
MALLER, M. Z.	691
MALLET	85
MALMQVIST, L.	4011
MALONEY, J. T.	3858
MALVESTUTO, F. S., JR.	1566, 2545
MANHEIMER, Y.	3274
MANJOINE, M. J.	2156
MANN, J.	3476
MANSFIELD, E. H.	443, 751, 1466, 1758, 2837
MANSON, N.	2666
MANSON, S. S.	101, 436, 1743
MANSON, S. V.	4019
MANSUR, C. I.	1464
MANWELL, A. R.	3631
MARCELLO, C.	87
MARCH, H. W.	2804
MARCHAL, R.	3278
MARCHAND, R.	2703
MARCHAUD, F.	1873

MOONEY, D. A.	285	NAKANO, M.	1339
MOONEY, M.	788	NAKAZAWA, H.	1052
MOORE, D. G.	1821	NALBANDYAN, A. B.	613
MOORE, F. K.	1558, 2917, 3292	NANNINGA, N.	1732
MOORE, H. F.	1815	NARDO, S. V.	68, 1763
MOORE, M. B.	1815	NASCIMENTO, U.	2008
MOORE, N. P. W.	2320, 2673, 4049	NASH, W. A.	1762, 2138
MOORMAN, R. W.	3618	NATANSON, I. P.	692, 1009
MORAWETZ, CATHLEEN S.	3945	NATHORST, H.	2870
MORDFIN, L.	1759	NAURITS, L. N.	589
MORDUCHOWICZ, M.	2084, 3477, 3655	NAWALANY, T.	3324
MORELLI, D. A.	574	NAYLOR, D.	2548
MORGAN, G. H.	2649	NEAT, W. N.	1981
MORGAN, G. W.	374, 1861	NEEL, C. B., JR.	1291
MORICE, P. B.	2419, 3197	NEGORO, S.	2145
MORIGNAT, B.	1324	NEICE, S. E.	185, 2225
MORLEY, A. W.	220	NEKRASOV, A. I.	3268
MORRALL, J. C.	567	NEKRASOV, K. P.	1857
MORREY, C. B., JR.	3703	NELSON, C. W.	3504
MOORIS, D. E.	567	NELSON, H. C.	3312
MORRIS, D. N.	1555	NELSON, L. C.	3710
MORRIS, G. J.	1504	NEMETH, Z. N.	665, 666, 667
MORRIS, H. N.	2809	NESS, N.	1433, 1543, 3634
MORRISON, D.	1806	NEUBER, H.	1092, 2801
MORRISON, H. L.	2705	NEUBERT, U.	2075
MORRISON, J. A.	2124	NEUMANN, F. W.	2508
MORROW, C. H.	1982	NEUMANN, J.	4093
MORTAHINO, C.	3332	NEUMANN, R. K.	2323
MORTELMANS, F.	1080	NEUMARK, S.	1864, 3937
MORTENSEN, K.	2338	NEVANLINNA, R.	2372
MORTLOCK, A. J.	2987	NEW, W. R.	2579
MORTON, G. F.	2069	NEWBY, M. P.	3014
MOSKOWITZ, B.	3962	NEWHOUSE, D. L.	2172
MOSONYI, E.	2207, 3605	NEWMAN, B. G.	3656
Moss, G. F.	587	NEWMAN, D. P.	1477
MOSSAKOVSKII, V. I.	3495	NEWMARK, N. M.	1110, 2407, 3186, 3219, 3532
MOTHERWELL, G. W.	1836	NEWTON, F. C.	2643
MOTILEV, YU. L.	958	NEWTON, J. A.	2430
MOTT, N. F.	102, 3342	NEWTON, J. S.	3510
MOUNTFORD, F. T.	1225	NEWTON, R. R.	898
MOWBRAY, A. G., JR.	1810	NICHOLSON, H. M.	1595
MOYER, J. W.	2292	NICKEL, K.	226
MOYSE, J.	1449	NICKEL, P. A.	1905
MUCKLE, W.	2727, 4102	NICKSON, A. F. B.	951
MUELLER, J.	2512	NIEDERER, O. C.	1532
MUGGIA, A.	1371, 1901, 2245	NIELSEN, J. N.	3981
MUHS, H.	3060	NIELSEN, K. E. C.	3575
MUKHERJEE, A. K.	2199, 2280	NIEMANN, G.	748
MUKHIN, I. S.	379	NIES, P. L.	2080
MULLER, H.	1020	NIETO, A. L.	2067
MULLER, J.	1775	NIGAM, S. D.	2223
MULLER, P.	1766	NIJHAWAN, B. R.	2884
MÜLLER, W.	2140	NIKITIN, A. A.	57
MÜLLER, W.	3803	NIKOL'SKI, A. A.	3633
MÜLLER-MAGYARI, F.	3846	NIKURADSE, A.	2983
MULLINS, L.	2503	NIORDSON, F. I. N.	3136
MUNCEY, R. W.	951	NIPPERES, E. F.	1443
MUNCH-PETERSEN, J.	827	NISHIKAWA, K.	1284, 2626
MUNRO, W.	128	NISHIMURA, E.	2045
MUNSE, W. H.	3532	NITSCHE, R.	497
MUNSTER, A.	2598	NIXON, I. K.	3762
MURAL, H.	1591	NOEL, R. G.	3516
MURAKAMI, T.	3543	NOLAN, E. J.	2300
MURAKAMI, Y.	1083	NOLLE, A. W.	2683
MURAS, V. S.	1840	NOMOTO, O.	2336, 3031, 3756
MURASZEW, A.	2642	NONVEILER, F.	1489
MURATA, T.	2639	NONVEILLER, E.	970
MURDOCK, L. J.	1669	NONWEILER, T.	217, 1897
MURPHY, J. S.	214, 1602	NORDSTROM, H. F.	2726
MURPHY, S. J.	4008	NÖRLUND, N. E.	3448
MURPHY, T.	1007	NORR, A.	2797
MURRAY, F. J.	3097	NORRIS, C. B.	449, 1427, 2446
MURRAY, R.	352	NORRIS, G. M.	796
MUSIKANT, S.	2402	NORRISH, R. G. W.	3019
MUSKHELISHVILI, N. I.	2099, 3087	NORTH, R. J.	592, 878, 909, 3327
MUSTARD, J. N.	2873	NORTHWOOD, T. D.	1674
MYERS, J. W.	943	NORTON, J. T.	1791
MYERS, P. S.	923, 3360	NOTHWANG, G. J.	2589
MYNCKE, H.	1023	NOTON, B. R.	2465, 3499, 3837
N			
NAAKE, H.-J.	411	NOUGARO, J.	3932
NACHTIGALL, A. J.	2608	NOVIK, D.	1387
NAESETH, R. L.	227	NOVIKOV, V. I.	2877, 3902
NAGAI, S.	1849	NOWACKI, W.	450, 458, 1079, 1084, 3513
NAGAMATSU, H. T.	196, 585, 1556, 3290	NOWICK, A. S.	493
NAGHDI, P. M.	2434, 2789	NOYES, J.	1249
NAGY, M. S.	152	NUCCI, L. M.	1610
NAHMANI, G.	3274	NUMACHI, F.	1159, 1591
NAIMARK, M. A.	3784	NUOVO, M.	419
NAKAMURA, H.	2483, 2484	NUSSELT, W.	3350
O			
OATHOUT, J. D.	822		
OBERRHETTINGER, F.	1365, 1366, 2056		
OBERT, H.	3410		
OBERT, E. F.	3710		
OBUKHOFF, A. M.	207		
ODIER, J.	3805		
ÖDMAN, S. T. A.	1364		
O'DONNELL, R. M.	2226		
ODQVIST, F. K. G.	778		
OELSEN, O.	804		
OGAWARA, M.	655		
OGUCHI, H.	3629		
OGURA, Y.	2711, 2713, 3774, 3965		
O'HARA, F.	3307, 3988		
O'HARE, W. M.	227		
OHDE, J.	82		
OHJI, M.	2200		
OHLIG, R.	2825		
ÖHMAN, L.	2849, 2905		
OJA, V.	3471		
OKABE, J.	987, 1725, 1727, 1728, 1887		
OKITA, T.	3430		
OKUBO, A.	3423		
OKUBO, H.	433, 445, 735, 744, 1044		
OLANDER, H. C.	764		
OLDENBOURG, R. C.	3123		
OLDENBURGER, R.	3118		
OLDERIN, E.	575		
OLDROYD, J. G.	1478		
OLDS, G. C. E.	1473		
OLIVER, H.	1638		
OLFESSON, B.	1138		
OLSSON, G.	641		
OLSZAK, W.	473, 733		
OMORI, Y.	4039		
OMURA, H.	2457		
ONAT, E. T.	492, 743, 2469, 3561		
ONITSCH-MÖDL, E. M.	2166		
ONSAGER, L.	918, 919		
OOURA, H.	1663		
OPITZ, H.	153		
OPPELT, W.	3115		
OPPENHEIM, A. K.	2535, 2582, 2661, 3617		
OPPENHEIM, I.	290		
ORAVAS, G.	3847		
ORDING, J. R.	2001		
ORMEROD, A. O.	2219		
ORR, C., JR.	652		
ORR, J. L.	3354		
ORR, R. L.	2154		
OSADA, K.	1675		
OSBORN, W. M.	1164		
O'SHAUGHNESSY, M. T.	2881		
OSIPOV, K. A.	781		
OSTERLE, F.	984, 2359, 2360, 3079		
OSTRACH, S.	306, 3349, 3723		
OSWALD, W.	933		
OTTO, E. W.	3117		
OTTO, P.	2126		
OUDART, A.	1557, 3822		
OWCZAREK, J. A.	579		
OWEN, T. B.	273		
OWEN-BARNETT, R. A.	3891		
OWENS, H. M.	2087		
OXFORD, C. J., JR.	2894		
OYLER, G. W.	3861		
OZANNE, D. J.	1718		
P			
PAASCHE, O. G.	3895		
PACK, D. C.	1877, 3953		
PACQUANT.	85		
PAEZ, A.	140		
PAI, S.-I.	550, 853, 3627, 3642, 3953, 3969		
PAILLOUX, H.	2071		
PALIT, S. R.	1177		
PALLANT, R. J.	3282		
PALMÉN, E.	357		
PALMER, P. L.	1289		
PANCALDI, G.	3012		
PANCHISIN, V. I.	3924		
PANCHOLY, M.	1994		
PANKHURST, R. C.	1608, 2590, 3287		
PAO, Y.-H.	496, 2164		
PAOLI, R.	79		
PAOLUCCI, D.	2531		
PAPEN, G. W.	2510		
PAPPAS, C. C.	4020		
PARBROOK, H. D.	323		
PARENT, J. D.	1265		
PARIA, G.	1065, 3830		
PARIS, P. C.	3192		
PARKER, E. N.	308		
PARKER, E. R.	2872		
PARKER, H. M.	1947, 3626		
PARKER, R. J.	2885		
PARKINS, R. N.	2504		
PARKS, E. K.	2274		
PARKS, J. M.	1439		
PARKUS, H.	1412, 3829		
PARMAKIAN, J.	904, 1525		
PARNELL, M. V.	3660		
PAROLINI, G.	4072		
PARTHASARATHY, S.	318, 2332, 3758		
PARTLOW, J. G.	2941		
PASK, J. A.	3153		
PASLAY, P. R.	1411		
PASQUARELLI, C. G.	3987		
PATEL, S. A.	1432		
PATERSON, S.	2662		
PATTANTÝÚ, G. A.	529		
PATTERSON, A. M.	259		
PATTERSON, W., JR.	1476		
PAVLOV, V. A.	1801		
PAYNE, P. R.	1907, 2933		
PAYNE, W. G.	2567		
PEACOCK, D. W.	2970		
PEAKE, W. H.	4065		
PEARCE, C. A. R.	1242		
PEARCEY, H. H.	1212		
PEARMAIN, G. J.	2817		
PEARSON, C. E.	2204		
PEARSON, J.	47		
PEARSON, J. D.	3645		
PEARSON, W. B.	1651		
PEASE, R. N.	2653		
PEATTIE, K. R.	1061, 3761		
PEEBLES, F. N.	593		
PEEBLES, J. J.	78		
PÉLEGRI, M. J.	2747, 3125		
PELLINI, W. S.	3222		
PELTIER, R.	1314, 2011		
PENMAN, A. D. M.	2002		
PENNER, S. S.	287, 4056		
PENZIEN, J.	2753		
PÉRÉS, J.	695		
PERES, N. J. C.	119, 2863		
PERKINS, E. W.	231		
PERLEY, R.	3838		
PERLMUTTER, I.	2258		
PERRONE, N.	1750, 3165		
PERRY, R. J. S.	2724		
PERSH, J.	1593, 1917, 2954		
PERSON, R. A.	3394		
PESSEN, D. W.	399		
PETCH, N. J.	3564		
PETER, S.	2982		
PETERKA, A. J.	3616		
PETERS, R. W.	91, 3176		
PETERSEN, J. S.	3419		
PETERSON, J. P.	1445		
PETERSON, M. B.	3439, 4097		
PETERSON, R.	479		
PETERSON, R. E.	2100		
PETROVSKY, I. G.	3449		
PETTERSEN, S.	2348		
PETTERSSON, O.	2791, 2792		
PETUCHOV, B. S.	3725		
PETUR, A.	3557		
PEYER, A.	1219		
PHELPS, G. W.	117		
PHIL, D.	3280, 3961		
PHILIPPoff, W.	142		
PHILLIPS, A.	492		
PHILLIPS, D. S. M.	906		
PHILLIPS, E.	439		
PHILLIPS, V. D.	2655		
PHILLIPS, W. H.	1215		
PIATT, A.	2388		
PICARD, C.	591		
PICARD, L.	1340		
PICK, H.	699		
PICKETT, G.	2794		
PIERCE, S. H.	1375		
PIERRE, B.	2293		
Pierson, W. J., JR.	1686		
PIETROWSKI, R.	774		
PIGFORD, R. L.	3735		
PILARCZYK, K.	1938		
PILNY, M. J.	266		

**Q      R**

PIMLOTT, J. R.	2270	RICKER, N.	3433	ROUSE, H.	304
PINES, B. Y.	606	RICKERT, W. K.	2111	ROUSE, P. E., JR.	516, 814
PINKEL, B.	2266	RIDDELL, R. J., JR.	1936	ROWE, A. J.	2374
PIPS, L. A.	1001, 2083	RIEHL, H.	2715	ROWE, R. S.	1450
PIRSON, E.	2822	RIEKE, K. L.	2573	ROWLEY, J. C.	2434
PISKUNOV, N. S.	664	RIEMAN, W. A.	2292	ROWLEY, L. N.	265
PISTER, K. S.	1734	RIESHOL, H. S.	361	ROWLING, H.	3025
PITTONI, M.	2467, 2969	RIEVE, J. J.	1415	ROWLINSON, J. S.	3705
PITTS, W. C.	3981	RHOSEK, J.	3110	ROY, M.	190, 2263, 2308
PIVOVAROV, A. M.	2116	RINALDI, G.	77	ROYLE, J. K.	4004
PLACE, G. W.	1441	RIND, E.	1612	ROZENBERG, L. D.	2331
PLAIN, G. J.	2705	RINEHART, J. S.	47	ROZENFEL'D, L. M.	597, 598
PLANK, V. G.	3428	RINGHAM, G. B.	3475	RUBIN, R. J.	2095, 3273
PLANTEMA, F. J.	3584, 4077	RINGHEIM, A. S.	969	RUBINSKIEN, L. I.	601
PLANTHOLT, A. H.	1154	RADFORD, J. F.	149	RUGGERI, R. S.	3363
PLASCOTT, R. H.	911	RADOK, J. R. M.	2450, 3812	RUH, E.	4016
PLEIJEL, G.	1325	RADZIMOVSKY, E. I.	1742	RUNDGREN, L.	3253
PLESSET, M. S.	1529, 3362	RAILSTON, W.	3068	RUNYAN, H. L.	1585
PLETTA, D. H.	2742, 3797	RAIMONDI, A. A.	1682, 3076, 3085	RUPTASH, J.	2274
PLUMTREE, W. G.	3801	RAINERY, RUBY A.	3312	RUSANOV, B. V.	1174, 1175
PLUNKETT, R.	1308, 1411	RAINVILLE, E. D.	313	RUSH, C. K.	3354
PONCHAPSKY, T. E.	3720	RAIT, J. R.	799	RUSSELL, E. W.	1828
PODE, L.	3613	RAMACHANDRA RAO, B.	3757	RUSSELL, J. E.	750
PODREZOV, L. I.	506	RAMPEY, E. M.	977	RUSSELL, J. G.	2774
POHLE, F. V.	1104, 1638, 1748	RAMSDALE, H. A.	3158	RUSSELL, S. B.	3581
POLLOCK, W. A.	2943	RAMSEN, J. A.	3982	RUSSELL, S. B.	1048
POLOSATKIN, G. D.	2196	RAMSEY, R. P.	2568	RUSSEL, W. T.	3742
POMASKA, W.	2174	RANDOLPH, L.	2356	RUSSO, A. L.	2000
PONCIN, H.	3786	RANDOLPH, R. R., JR.	3252	RUSTAY, A. L.	1836
PONOMAREFF, A. I.	1249	RANINEN, A. B.	3139	RUTOWSKI, E. S.	874, 3304
PONSSAR, Y.	534	RANKIN, A. W.	3167	RUTTMANN, W.	1261
POPE, A.	1927, 4002	RANNIE, W. D.	3313	RUZEK, J. M.	3839
POPE, C. L.	3775	RAO, A. R. S.	3158	RYABENSKIY, V. S.	380
POPKOFF, K.	1258, 2971, 2972	RAO, C. V. J.	795	RYDER, E. A.	1268
POPOV, B. S.	997	RASHIS, B.	1883	RYDER, F. L.	2783
POPP, C.	3872	RASKOVIC, D.	18, 1381		
POPPENDIEK, H. F.	312	RASMUSSEN, R. E. H.	1513		
PORITSKY, H.	1349, 1745, 3623	RATNER, S. B.	517, 3578		
PÖSCHL, TH.	3137	RAUSCH, E.	2835		
POST, G.	2012	RAUSCHER, M.	1562		
POTTER, J. H.	2311, 2318	RAVERY, M.	2176		
POTTHOFF, G.	1054	RAWCLIFFE, A. G.	560		
POUCHOT, W. D.	1979	RAY, M.	2224		
POWELL, A.	328, 1652, 2695, 3405, 3760	RAYBURN, F. M.	1140		
POWERS, M. D.	2973	RAYMER, W. G.	2590		
POWLEY, H. S.	3047	REBESSE, J. J., JR.	3840		
POZZATI, P.	1429	RECK, W.	3804		
PRAGER, W.	492, 784, 1752, 2469, 3203, 3561	RECKLING, K. A.	1062		
PRAKASH, P.	2525	RECORD, F. A.	976		
PRASSE, E. I.	1170	REDDAWAY, J. L.	247		
PRATT, K. G.	245	REDDING, A. H.	2579		
PRAVOVEROV, K. N.	3023	REDDING, V. L.	2001		
PREDVODITELEV, A. S.	3381, 3385	REE, E. L.	3236		
PREScott, R.	2323, 3378	REED, R. J.	2708, 2712, 4094		
PRESS, F.	343	REED, W. H., III	2250		
PRESS, H.	2498, 2500	REEDER, J. P.	3306		
PRESTON, J. H.	560, 2928, 3971	REEMAN, J.	3682		
PRESTON, J. M.	2879	REESE, B. A.	4025		
PRESTON-THOMAS, H.	2600	REESE, L. C.	2013		
PRETI, E.	2422	REGGIORI, A.	1129		
Prettyman, L. B.	1811	REICHARDT, H.	1886		
PRICE, C. F.	3020	REID, T. J.	1399		
PRICE, E. W.	1235, 3690	REINER, M.	1795		
PRICE, T. W.	2318	REININGER, H.	3894		
PRIDE, R. A.	2191	REISMAN, H.	1753, 3168		
PRIEM, R. J.	925, 3380	REISSNER, E.	1042, 2103, 2106		
PRIESTLEY, C. H. B.	2027	REKERS, R. G.	3750		
PRIGOGINE, I.	3334	RELF, E. F.	1872		
PRINCE, C.	3258	REMENIERAS, G.	86		
PRINS, J. A.	4029	RESWICK, J. B.	2066		
PRISS, L. S.	525	REUTER, H.	2029		
PRITCHARD, R. L.	1999	REVESZ, S.	1773		
PROBABILITY TABLES	389	REYNOLDS, C. E.	3054		
PROBSTein, R. F.	1542	REYNOLDS, N. E.	1346		
PROCEEDINGS, SYMPOSIUM ON INDUSTRIAL APPLICATIONS	8	REYNOLDS, R. L.	1914		
PROTTE, B.	2697	RHOADES, D. G.	3767		
PROUDMAN, I.	3649	RHODES, J. E., JR.	2619		
PROUT, W. E.	2631	RIBNER, H. S.	862		
PYOR, A. W.	2692	RICARDO, SIR HARRY R.	1913		
PRZESTEPski, W.	476	RICE, W. E.	1625, 2594		
PUCHER, A.	2820	RICH, B. R.	305		
PUDOVKIN, M. A.	3881	RICH, D. A.	3464		
PUGH, H. L. D.	786	RICH, S. R.	1243		
PULSATiNG COMBUSTION	3389	RICHARD, K.	1055, 2860		
PURCELL, E. W.	2059	RICHARDS, E. J.	952, 3399		
PURCHASE, N. W.	1141	RICHARDS, G. R.	10		
PUTNAM, A. A.	2652	RICHARDSON, E. D., ED.	2326		
PUTZ, T. J.	2569	RICHARDSON, J. M.	2668, 3396, 4041		
Puzak, P. P.	3222	RICHARDSON, L. F.	210		
PYETT, J. S.	3759	RICHARD, K.	1734		
		RICHARDSON, J. C.	1812		
		RICHARDSON, H.	1095		

**S**

SABARY, F.	1321
SABERSKY, R. H.	3688
SABOL, A. P.	2214
SACHS, B.	519
SACHS, G.	1477
SACK, H. S.	492
SADOWSKY, M. A.	50, 536
SAFFIR, H.	1784
SAGE, A. M.	3230
SAGE, B. H.	941, 1281, 1552, 3734
SAHA, M. R.	2833
SAHMEl, P.	1714
SAIBEL, E.	409,
	984, 1348, 2359, 2360, 2506, 3079
ST. CLAIR, D. W.	3119
ST. DENIS, M.	1686
SAISSAC, J.	1327
SAKURABA, S.	1333
SAKURALI, A.	1403, 3823
SALDIN, H. B.	2579
SALJÉ, E.	160
SALMON, J.	1549
SALMON, M.	1238
SALTER, C.	1618, 4005
SALTZ, M. H.	1766
SALTZBERG, B.	2737
SALVADORI, M. G.	80,
	1067, 1418, 2135, 2365
SÁLYI, I.	3544
SAMELSON, K.	1699
SAMOÍLOV, B. N.	599
SAMSON, D. R.	3503
SAMUELS, L. E.	147
SANBORN, M. A.	1505
SANDBORN, V. A.	1196
SANDER, A.	2039
SANDERS, F.	2708
SANDERS, J. C.	3490
SANGER, E.	298, 1236, 1237
SÄNGER-BREDT, IRENE	299, 2278
SANKEY, G. O.	2156
SAPA, V. A.	396
SARGENT, R.	878
SARJANT, R. J.	2618
SARPKAYA, T.	3618
SARTORIUS, H.	3123
SARUKHANIAN, G.	2290
SASSE, H.	2149
SATO, K.	3734
SATO, M.	3337
SATO, T.	348
SATÓ, Y.	35,
	36, 37, 38, 39, 1337, 1338, 3432
SATTERLY, J.	1021

## AUTHOR INDEX TO APPLIED MECHANICS REVIEWS, VOL. 7, 1954

SATTLER, K.	73	SCHWOPE, A. D.	2179	SHTIKAN, A. B.	381	SOLARSKI, A.	1541
SAUCLER, W. J.	2026	SCHY, A. A.	17	SHULEIKN, V. V.	3144	SOLOMON, G. E.	1181
SAUER, J. A.	811, 1094	SCIMEMI, E.	838	SHVETSOV, A. V.	475	SOLVEY, J.	1087
SAUER, R.	1866	SCORDELIS, A. C.	1454	SIAO, T. T.	3618	SOME INTERESTING SHIP, MA-	
SAUNDERS, O. A.	1640, 2673	SCORER, R. S.	351, 1678	SIBBITT, W. L.	1945, 2282	CHINERY DEFECTS	4104
SAUTTER, W.	3565	SCOTT, A. W.	2718	SIBEL, E.	2508, 2882, 3597	SOMERVILLE, I. J.	3175
SAVIC, P.	3293, 3612	SCOTT-WILSON, W.	1453	SIBERT, H. W.	1926	SOMMERFELD, A.	2283
SAVITT, J.	1603	SCURLOCK, A. C.	3017, 4046	SIBULKIN, M.	216	SICINSKI, H. S.	3421
SAYAI, I.	3397	SEARS, G. A.	3392	SIDES, P. H.	2286	SIMOGYI, K.	137
SAWARAGI, Y.	2404	SEARS, W. R.	578, 1919, 2580	SIEBEL, M. P. L.	104, 107	SONES, R. H.	494
SAWYER, R. T.	265	SEBAN, R. A.	1275, 1279, 1954, 4037	SIEGEL, R.	2227	SONNEMANN, G.	2396
SAXON, D. S.	2088	SEDNEY, R.	1576	SIEKER, K.-H.	3591	SORENSEN, N. E.	1538
SAZANOVA, N. D.	3213	SEDOV, L. I.	854	SIEKMANN, H. J.	820, 2896	SOROKA, W. W.	3502
SCANLAN, R. H.	1932	SEGUIN, B. R.	2172	SIESS, C. P.	1461	SOROKIN, O. V.	3213
SCEDROV, V. S.	701	SEIDEL, K.	2183	SIESTRUNCK, R.	1878, 2324	SOROKIN, V. S.	936
SCESA, S.	3357	SEIFERT, R. L.	3717	SILBERMAN, E.	1165	SOSEDOVA, A. L.	504
SCHAAF, S. A.	182, 183, 2979, 3619	SEILER, A.	221	SILSBY, N. S.	2238	SOSMAN, R. B.	302
SCHADE, H. A.	985	SEILER, J. A.	3559	SILVA, F. P.	3063	SOUTHWELL, R. V.	1356, 2366, 3094
SCHAFFER, H.	2414	SEIPPEL, C.	265	SILVER, A. H.	4026	SOWERBY, L.	539
SCHAFFER, M.	188	SEKIGUCHI, Y.	2711	SILVESTER, R.	1846	SPACE HEATING	3005
SCHAFFNER, J. S.	3130	SELBERG, A.	2464	SIMMONS, L. M.	1940	SPAKOWSKI, A. D.	2648
SCHAGEN, P.	3696	SELLERIO, A.	2959	SIMON, DOROTHY M.	2640, 2648,	SPALDING, D. B.	1969, 2634, 2680,
SCHALIN, P. H. B.	2468	SELLERS, M. L.	2730	3741, 3745	3008, 3021, 3370		
SCHEER, J.	3530	SELMER-OLSEN, R.	959	SIMON, F. E.	2046, 3344	SPARROW, R. W.	3761
SCHEFFEY, C. F.	488	SELTENHAMMER, L.	3200	SIMONSON, J. R.	4049	SPERLING, I. N.	228
SCHEIDECKER, R.	1989	SEMENOV, N. N.	3383	SIMS, L. G. A.	2991	SPETH, K. G.	804
SCHEITHAUER, E. F.	3329	SEMONIAN, J. W.	459	SIMS, R. B.	1124	SPENCE, D. A.	2540
SCHELLER, K.	271	SEN, B.	3514	SIMULTANEOUS LINEAR EQUA-		SPENCER, D. E.	179
SCHENK, J.	4030	SEN, D.	2651	TIONS	2736	SPENCER, N. W.	3421
SCHENK, K. M.	2563	SENGUPTA, A. M.	2118, 3486	SINCLAIR, G. M.	498	SPIELBERG, I. N.	2564
SCHER, S. H.	3978	SENGUPTA, H. M.	2795	SINDEN, F. W.	2595, 3083	SPINK, L. K.	3691
SCHERBERG, M. G.	1251	SENIOR, D. A.	3497	SINES, G.	2717	SPINNER, S.	3900
SCHINN, R.	1264	SERAFINI, J. S.	895	SINGER, F. L.	3461	SPRAGUE, G. R.	3238
SCHLECHTE, F. R.	2787, 3157	SEREBORENNIKOV, M. G.	392	SINGER, J. M.	3744	SPREITER, J. R.	1563, 3630
SCHLICHTING, H.	1560, 3267	SEREQUE, A. F.	3238	SISSINGH, G. J.	1909	SPRENGER, D. F.	2669, 3689
SCHLIEKELMANN, R. J.	2501	SERGEL', O. S.	612	SISTO, F.	1222	SPRINGORUM, F. A.	804
SCHLINGER, W. G.	1281, 1552	SERRATOSA, J. M.	2010	SITTEL, K.	814	SQUIRE, H. B.	910, 1250, 1607, 2249
SCHLUMPF, U.	3154	SERRE, F.	1515	SIVELLS, J. C.	240	SREENATH, L. S.	795
SCHLUTER, A.	1003	SERRIN, J.	176	SIVOR, V.	300	SRETENSKI, L. N.	402, 725
SCHMERMANN, J. H.	1668	SERRIN, J. B.	3948	SJÖSTRÖM, S.	2775	SRINATH, L. S.	46, 3522
SCHMID, G.	2690	SESTINI, G.	1038	SKAN, SYLVIA W.	1573	SRINIVASAN, D.	3758
SCHMIDT, A. O.	1520, 1146	SETTE, D.	1309	SKEIB, G.	345	SRIVASTAVA, B. N.	295
SCHMIDT, E.	931, 4009	SEVELSON, M. S.	244	SKELTON, W. C.	571	STABILITY OF RUBBLE-MOUND	
SCHMIDT, E. H. W.	2675	SEVERIN, H.	3409	BREAKWATERS	363		
SCHMIDT, O. H.	1823	SHAFER, M. R.	3375	SKEMPTON, W.	3050		
SCHMIDT, W.	3585	SHAFFER, B. W.	492, 1710	SKOPINSKI, T. H.	3331, 3980		
SCHMITT, A. F.	3531	SHANK, M. E.	2110, 2843	SKOTNICKY, J.	3711		
SCHMUTZ, O.	3469	SHAPIRO, A. H.	173, 844,	SLANKARD, R. C.	2138		
SCHNEIDER, G.	2507	1178, 2227, 2228, 2538, 3270, 3946	SKRIGATIC, M.	1144			
SCHNEIDER, P. J.	385	SHAPIRO, G. S.	742, 1106	SKROTKIK, B. G. A.	265		
SCHNEIDER, W. G.	1935	SHAPIRO, H.	1012	SKUDZYK, E.	3040, 3410		
SCHNEITTER, L.	265	SHAPOSHNIKOV, I. G.	4032	SLANKARD, R. C.	2138		
SCHNELL, E.	3680	SHARMAN, L. J.	494	SLEPYAN, E. E.	619		
SCHNITTGER, J. R.	3681	SHAW, E. A. G.	319	SLEZKIN, N. A.	394		
SCHNITZER, E.	246	SHAW, F. S.	1750, 3165, 3789	SLIBAR, A.	407, 2403, 3488		
SCHOCH, A.	321	SHAW, M. C.	492, 1835, 3243, 3914	SLOBODYANSKI, M. G.	383, 680		
SCHOENFELD-REINER, R.	1107	SHEARER, J. L.	2386, 2387	SLUDER, L.	229, 241		
SCHOLZ, H.	2960	SHEARWOOD, F. P.	1455	SLUNDER, C. J.	800, 1122		
SCHOLZ, N.	1918, 3940	SHELDRAKE, L. J.	2240	SMAGORINSKY, J.	1328		
SCHÖNFELD, F. C.	1844	SHENKER, H.	288	SMALLEY, H. F.	302		
SCHÖNFELD, J. C.	3794	SHEPARD, C. E.	4036	SMITH, A. H.	2691		
SCHÖRNER, E.	1010	SHEPHEARD, R. B.	2811	SMITH, C. B.	61		
SCHOTT, G. J.	3573	SHEPLEY, E.	3552, 3554, 3842	SMITH, E. L.	3733		
SCHRAGE, R. W.	3368	SHERBY, O. D.	2154	SMITH, H. W.	3860		
SCHREITZ, W. G.	797	SHERBY, O. G.	2180	SMITH, I. D.	1527		
SCHRÖDER, B.	813	SHEREMET'EV, M. P.	2130	SMITH, J.	369		
SCHRÖDER, E.	3320	SHERGOLD, F. A.	2021	SMITH, J. J.	3106		
SCHROEDER, F. K.	1283	SHERLOCK, R. H.	2932	SMITH, J. M.	3702		
SCHROEDER, J. H.	264	SHERMAN, D. I.	42, 3826	SMITH, J. O.	43, 3853		
SCHUBAUER, G. B.	3653	SHERMAN, F. S.	1870, 3619	SMITH, L. H., JR.	576		
SCHUELER, A. P.	1536	SHERMAN, J.	1457	SMITH, L. R.	2652		
SCHUETTE, E. H.	2493	SHERMAN, W. L.	2218	SMITH, P. A.	1835		
SCHUH, H.	1637, 2914	SHERWOOD, T. K.	2303	SMITH, R. C. T.	1272		
SCHULTZ, H.	2654	SHESTAKOV, V. M.	3766	SMITH, R. P.	2669		
SCHULTZ-GRUNOW, F.	108, 611, 2658, 3517	SHESTOPAL, A. O.	3414	SMITH, R. W. JR.	3396		
SCHULTE, E.	668, 879, 1672	SHEVCHENKO, K.	729	SMITH, R. W. JR.	1486		
SCHULZ, E. J.	2022	SHEVELEV, YA. V.	1155	SNYDER, H. J.	823		
SCHUM, E. F.	2608	SHEVLOFF, N. P.	1399	SNYDER, N. W.	2616		
SCHUMACHER, W. J.	1220	SHIBUYA, Y.	2486	SODHA, M. S.	2989		
SCHUMANN, W.	3148	SCHILD, R. T.	96, 743, 1105,	SOETE, W.	2485, 2854		
SCHÜTTE, K.	3113	2416, 3330, 4074	SHINOL', I. E.	377			
SCHUTZ, F. W.	492	SHIFFMAN, M.	3635	SÖHNE, W.	335, 1906		
SCHWABEN, R.	1482	SHIOZAKI, S.	2197	SÖHNGEN, H.	1216		
SCHWAIGERER, S.	2127	SHIPMAN, C. W.	2316	SOKOLOV, L. D.	434		
SCHWALBE, W. L.	2790	SHOE MAKER, E.	2156	SOKOLOV, Yu. D.	397		
SCHWARTZ, D. S.	2000	SHOLLENBERGER, F. J.	3885	SOKOLOVSKI, D. L.	3933		
SCHWARTZ, F. L.	265	SHORE, L.	3747	SOKOLOVSKI, V. V.	637		
SCHWARTZBERG, M. A.	584	SHORIN, S. N.	3023	SOLAJA, V.	1422, 1693		
SCHWARTZMANN, F.	4088	SHORTLEY, G.	3, 673	STOKE, R. C.	2891		
SCHWARZ, G. M.	1818	SHREFFLER, R. G.	420	STOEVER, H. J.	2275		
SCHWARZ, R. J.	2365	SHRIKHANDE, K. Y.	2023	STOJANOVIC, D.	1166		
SCHWARZ, W.	630	SHRUT, M. M.	3218	STOKES, L. S., JR.	2543, 2921		

1541  
1181  
1087  
4104  
3175  
1929  
3693  
2283  
137  
494  
2396  
1538  
3502  
3213  
936  
504  
302  
3094  
539  
3005  
2648  
680  
3761  
228  
804  
2540  
179  
3421  
2564  
3691  
3900  
3238  
630  
689  
801  
249  
795  
725  
522  
295  
363  
781  
248  
100  
518  
753  
162  
217  
657  
120  
422  
976  
158  
276  
340  
2758  
1971  
SYLWESTROWICZ, W. .... 2758  
SYMONDS, P. S. 492, 1789, 2759, 3559  
SYNGE, J. L. .... 1847  
SYONO, S. .... 1679, 3772  
SYUTKIN, N. F. .... 2771  
SYVERTSON, C. A. .... 2241  
SZABLEWSKI, W. .... 2901  
SZABÓ, I. .... 3785  
SZABÓ, Ö. .... 122  
SZANTÓ, L. .... 2108  
SZERÉHELYI, V. G. .... 1189, 1532  
SZÉCHY, K. .... 2839  
SZEIGO, G. .... 3133  
SZEIGO, P. A. .... 3836  
Szelagowski, Fr. .... 489  
Szesztay, K. .... 165, 526  
SZILÁGYI, J. .... 526  
SZIGÓ, P. .... 2192  
Szymański, M. .... 635

**T**  
TABLES OF CIRCULAR AND HYPERBOLIC SINES ..... 1708  
TABLES OF NATURAL LOGARITHMS ..... 2373  
TABLES OF NORMAL PROBABILITIES FUNCTIONS ..... 11  
TABLES OF 10<sup>x</sup> ..... 1372  
TABOR, D. .... 1500, 2165, 3586  
TADDIE, M. .... 2362  
TAKABEYA, F. .... 1083  
TAKABEYA, R. .... 485, 1083  
TAKAMURA, Y. .... 1830  
TAKANAEV, R. F. .... 4079  
TAKASHIMA, Y. .... 3997  
TAKEUCHI, M. .... 1330  
TALBOT, L. .... 1188, 2535, 2900, 3692  
TALOBRE, J. .... 3257  
TAMADA, K. .... 200

TAMM, K. .... 1659, 3409  
TANAKA, K. .... 832  
TANEDA, S. .... 914, 987  
TANI, I. .... 211  
TAO, D. C. .... 2074, 3463  
TAPSCOTT, R. J. .... 566  
TAUR, A. H. .... 2217  
TAYLOR, B. .... 1991  
TAYLOR, G. .... 3285  
TAYLOR, G. A. .... 2206  
TAYLOR, J. .... 1046, 1085, 1494  
TAYLOR, R. G. .... 1589  
TCHEUNG, Y. .... 2702  
TECHUDAKOV, E. A. .... 3814  
TECHNOLOGY OF MECHANISMS 2'70  
TEARE, B. R., JR. .... 3086  
TEED, P. L. .... 127  
TEJADA-FLORES, L. H. .... 2356  
TEK, M. R. .... 2524  
TELFER, E. V. .... 2048  
TELLER, AUGUSTA H. .... 4010  
TEODOSIADIS, R. .... 3853  
TERAO, N. .... 1825  
TERRINGTON, J. S. .... 1768  
TERZAGHI, K. .... 639, 2153, 3415  
TESTS OF BLEND ..... 133  
TETTERVÍN, N. .... 537, 558, 1199  
TETTINEK, W. .... 1322, 2014  
TEWELLES, S., JR. .... 2715, 4092  
TEZAK, S. .... 1489  
THAYER, G. B. .... 620  
THEIS, E. .... 1816  
THIBESSARD, G. .... 4011  
THICKSTU, W. R. .... 2999  
THOM, A. .... 282, 1370, 3289  
THOM, A. S. .... 1173  
THOMAS, C. H. .... 3128  
THOMAS, D. F., JR. .... 3299  
THOMAS, E. L. .... 1700  
THOMAS, L. H. .... 826  
THOMAS, P. H. .... 3776  
THOMAS, T. Y. .... 105, 106, 219,  
555, 780, 2528, 3275, 3639, 3678  
THOMPSON, A. B. .... 3237  
THOMPSON, A. S. .... 3194  
THOMPSON, J. R. .... 2239  
THOMPSON, N. .... 94  
THOMPSON, R. L. .... 3887  
THOMSEN, E. G. .... 154, 1097,  
1508, 3596  
THOMSEN, J. S. .... 704, 916  
THOMSON, A. S. T. .... 2718  
THOMSON, W. T. .... 1414, 3135  
THORLEY, B. .... 2672  
THORNE, C. J. .... 686, 1066  
THORNE, R. C. .... 723  
THORNTON, J. C. .... 138  
THORSEN, N. .... 2826  
THORSEN, W. J. .... 3221  
THRALL, E. W., JR. .... 1448  
THRELKELD, J. L. .... 3714  
THRING, M. W. .... 1985, 2188, 3014  
THUM, A. .... 1055, 2860  
THUMIM, C. .... 2381  
THUNELL, B. .... 3244  
THÜRLIMANN, B. .... 1433  
THURLOW, G. G. .... 3752  
THURSTON, E. G. .... 4065  
THURSTON, G. B. .... 1304, 1395  
THWAITES, B. .... 2254, 3287  
THWAITES, C. J. .... 1799  
TIDBALL, R. A. .... 3218  
TIERNEY, W. D. .... 1683  
TIETZ, H. .... 1264  
TIFFEN, R. .... 2104  
TIFFORD, A. N. .... 309, 1561,  
3094, 3963  
TIKHONOV, V. A. .... 515, 3589  
TIMAN, A. F. .... 388  
TIMOSHENKO, S. P. .... 2101  
TING, L. .... 1306, 3084  
TINGQUIST, S. C. .... 2505  
TIPLER, H. R. .... 802  
TIPPER, C. F. .... 2489  
TOBIAS, S. A. .... 1512  
TOCH, A. .... 3618  
TODD, F. H. .... 2053  
TOJO, S. .... 349  
TOLHURST, W. H., JR. .... 3663  
TOLLE, O. .... 2072, 3111  
TOLMIEN, W. .... 865  
TOMALIN, P. G. .... 1687  
TOMASZEWSKI, A. .... 681  
TOMLINSON, R. C. .... 1373

TOMOTIKA, S. .... 2212  
TOPPING, A. D. .... 2716  
TORDA, T. P. .... 540, 2253, 2912  
TORIELLI, E. .... 712  
TORRADO VARELA, M. .... 511  
TORRE, C. .... 427, 2162  
TORRE, P. L. .... 3506  
TOSATTO, G. .... 2383  
TOULOUKIAN, Y. S. .... 1948  
TOURRET, R. .... 2364  
TOWLE, A. .... 2723  
TOWLER, F. H. .... 2890  
TOWLER, J. M. .... 2890  
TOWN, G. G. D. .... 1262  
TOWNLEY, J. R. .... 291  
TOWNSEND, A. A. .... 3650  
TRABUCCO, L. .... 1392  
TRACY, H. J. .... 2514  
TRAILL-NASH, R. W. .... 25  
TRASSI, W. .... 3319  
TRATHEN, R. H. .... 3491  
TRAUGOTT, S. C. .... 576  
TRAUM, E. .... 1107  
TRAUPEL, W. .... 1922, 2624  
TRAUTSEL, S. .... 2279  
TRAVERS, S. .... 1733, 2309, 2310, 2330  
TREVES, F. .... 3367  
TRIBUS, M. .... 1273  
TREWELLES, S., JR. .... 2715, 4092  
TRICOMI, F. G. .... 1365, 1366, 2056  
TRIER, H. .... 3508  
TRILLING, L. .... 193, 1187  
TROUNCE, J. .... 587  
TROUTMAN, J. L. .... 2709  
TRONELL, G. E. .... 513  
TRUCKENBRODT, E. .... 541, 1884, 3970  
TRUCEDDELL, C. 186, 1531, 2113, 2371,  
3936  
TRUMAN, J. C. .... 3390, 3391  
TRUMPLER, W. E., JR. .... 2987  
TRYNSA, F. .... 3863  
TSAO, C. H. .... 3194, 3501  
TSCHISTIAKOW, S. F. .... 2082  
TSENOV, I. .... 700  
TSIBAKI, T. .... 3922  
TSIEN, H. S. .... 293, 706, 1186  
TSU, C. N. .... 3976  
TSUBOKAWA, I. .... 2601  
TSUJI, H. .... 2542  
TSUYA, N. .... 2601  
TUCKER, M. .... 862, 2536  
TUCKER, M. J. .... 1931, 3098  
TULIN, M. P. .... 163, 215  
TUPPER, S. J. .... 1093, 1141, 3560  
TURNBULL, D. .... 1481  
TURNBULL, W. J. .... 1461  
TURNER, E. B. .... 3954  
TURNER, J. S. .... 2368  
TUTEUR, F. B. .... 1715  
TYABIN, N. V. .... 583, 2842, 3881  
TYE, W. .... 3102  
TYLER, R. D. .... 2228  
TZOENOFF, L. .... 3806

**U**  
UBRELOHDE, A. R. .... 2660  
ÜBEROL, M. S. .... 1550  
ÜELTZ, H. F. G. .... 2169  
ÜETZ, H. .... 2078  
UFFORD, DOLORES ..... 681  
ÜHLENBECK, G. E. .... 1936  
ÜHLIG, H. H. .... 1683  
ÜMSTÄTTER, H. .... 1482, 2473  
ÜSHIER, H. .... 1697  
ÜUKI, S. .... 1339  
ÜRBAN, P. .... 719, 1400  
ÜRELAY, J. M. .... 2067  
ÜRILOV, M. K. .... 1518  
ÜRSSELL, F. .... 1030, 2042  
ÜRYU, T. .... 2178  
ÜSÜ, T. .... 2193  
ÜTLEY, E. C., JR. .... 793  
ÜVARENKOVS, I. M. .... 691  
ÜYEDA, R. .... 2583  
ÜYEHARA, O. A. .... 923, 3360

V. HÁMOS, L. .... 1118  
VAILE, P. E. B. .... 2723  
VAÍNSBERG, D. V. .... 452  
VAISEY, G. .... 2366  
VALENSI, J. .... 1860  
VALLOU, J. W. .... 670

VADDELL, J. H. .... 3695  
WADDINGTON, G. .... 4059  
WADLIN, K. L. .... 3982  
WAGNER, C. .... 3088  
WAGNER, H. L. .... 1982  
WAGNER, W. E. .... 3615  
WAHL, A. M. .... 2156

**V**  
VAN DEN BERGEN, A. C. .... 2006  
VAN DEN BOUWHUISEN, J. N. A. .... 1601  
VAN DEN DUNGEN, F. H. .... 974  
VAN DER BECK, R. R. .... 2228  
VAN DER HELD, E. F. M. .... 1960  
VAN DER VEEN, C. .... 651  
VAN DER WILLIGEN, P. C. .... 2815  
VAN DE VOOREN, A. L. .... 3674  
VANDE WOUWER, P. J. .... 2667  
VAN DORN, W. G. .... 2707  
VAN DYKE, M. D. 1185, 3951, 3952  
VAN EVERDINGEN, A. F. .... 663  
VAN HAVER, V. .... 1701  
VAN HECKE, A. .... 2202  
VAN HEEL, A. C. S. .... 284  
VAN HORN, K. R. .... 505  
VAN TETERVELD, A. .... 1023, 1950  
VAN LANGENDONCK, T. .... 3590  
VAN LE, N. .... 808  
VAN LEMPUT, J. .... 3536  
VAN MEEGHEM, J. .... 974  
VANONI, V. A. .... 170, 653  
VAN SANTEL, G. W. .... 1720  
VAN SEVENTER, W. .... 2078  
VAN SPIEGEL, E. .... 3074  
VAN STEIN CALLENFELS, G. W. .... 1987  
VAN WIJK, F. .... 2177  
VAN WONGAARDEN, A. .... 2161  
VARGAS, M. .... 3764  
VARGHESE, P. C. .... 4978  
VARSHNI, Y. P. .... 2989  
VASIL'EV, I. I. .... 495  
VASIL'EV, V. M. .... 3263  
VASILISHIN, T. M. .... 3934  
VASYLATA, L. I. .... 2158  
VAUGHAN, V. L., JR. .... 3082  
VEDELER, G. .... 986  
VENEKLAESSEN, P. S. .... 325  
VENING MEINESZ, F. A. .... 390  
VENKATARAMAN, S. .... 2210  
VERNARD, J. K. .... 3603, 4082  
VERDEVEN, J. .... 2019  
VERGIN, N. N. .... 957, 1323, 3925  
VERKHOVAT, M. E. .... 1011  
VERNOTTE, P. .... 2099  
VÉRON, M. .... 2636, 3367  
VER PLANCK, D. W. .... 3086  
VERSCHAFFELT, J. E. .... 2986  
VETTER, H. C. .... 1902  
VIDAL, G. .... 794  
VIDÉKY, E. .... 719  
VIEREGEDE, G. .... 1834  
VIEST, I. M. .... 1461  
VILKNER, H. .... 3070  
VILLARD, A. .... 75  
VILLARS, D. S. .... 3750  
VILLEMONTE, J. R. .... 1214  
VINCENT, G. S. .... 777  
VINOGRAD, G. V. .... 2721  
VISSAT, P. L. .... 2123  
VITOVEC, F. .... 783  
VODAR, B. .... 2975  
VODICKA, V. .... 756  
VOGEL, C. B. .... 662  
VOGEL, W. .... 276  
VOGL, DOROTHÉA ..... 2560  
VOIT, S. S. .... 953  
VOLDRICH, C. B. .... 467  
VÖLKENSHTÉIN, V. S. .... 626  
VOLPATI, M. .... 15  
VOLTERRA, E. .... 48, 49  
VOSDOENHOFF, A. E. .... 584, 1218  
VON GLAHR, U. H. .... 235  
VON KÁRMÁN, T. .... 607, 3975, 4010  
VON ROSENBERG, H. .... 3747  
VOONG, E. T. L. .... 2190  
VOSKRESENSKIJ, K. D. .... 622, 1630  
VOSS, A. W. .... 2446  
VOSS, H. M. .... 1911  
VOWELS, R. E. .... 3809  
VOURELA, L. A. .... 2035

**W**  
WADDELL, J. H. .... 3695  
WADDINGTON, G. .... 4059  
WADLIN, K. L. .... 3982  
WAGNER, C. .... 3088  
WAGNER, H. L. .... 1982  
WAGNER, W. E. .... 3615  
WAHL, A. M. .... 2156

WAIDELICH, A. T.	2773	WEISS, S. J.	3062	WILSON, W. J.	3187	YAMPOLSKY, J.	3020
WAITE, J. R.	29	WEISSE, C.	1522	WILSON-JONES, R. A.	698	YAN, H.-T.	3545
WATERUS, J.	1649	WEISSINGER, J.	7, 689	WILTS, C. H.	203	YANG, C. H.	109, 1796, 1797
WAKIYA, S.	175	WEITZ, M.	1401	WIMBROW, W. R.	268	YANG, C. S.	368
WALDVOGEL, R. K.	149	WELBER, B.	2181	WINANS, J. G.	923	YANG, C. T.	1097
WALING, J. L.	2158	WELLAUER, E. J.	3511	WINKLER, EVA M.	216	YANKEE, W. R.	4095
WALKER, F. C.	489	WELLER, E. F.	2614	WINKLER, O.	816	YARWOOD, T. M.	3754
WALKER, K., JR.	193, 1210, 3281	WELLINGER, K.	2978	WINTER, G.	1069	YASSIN, A. M.	2902
WALKER, P. B.	790	WELLS, A. A.	501	WINTER, J. S.	2260	YASUMI, M.	469
WALKER, V.	2950	WELLS, F. E.	4944	WINTER, K. G.	1250	YASUTOMI, T.	3922
WALKER, W. G.	1903, 1904	WELSH, A. F.	2886	WINTERBOTTOM, H.	3998	YATES, J. G.	2778
WALKER, W. S.	570, 1605, 1608	WELSH, C. J.	230	WINTERLING, K. H.	3372	YEI, G. C. K.	2937
WALLACE, F. J.	3284	WELTMANN, RUTH N.	2911	WIPPERMANN, F.	2710	YEI, V. C. M.	2377, 2748
WALLER, MARY D.	3483	WEMELS-FELDER, P. J.	3648	WISEMAN, H. A. B.	1764	YELLOWITT, J. L.	265
WALLGREN, G.	896	WERLÉ, H.	275	WISLICENUS, G. F.	576	YEN, K. T.	181
WALLICK, G. C.	2213	WERNER, F. D.	1650, 3498	WISNIEWSKI, H. U.	3022, 3998	YEH, C.-S.	543, 3618, 3726, 4028
WALLQUIST, G.	3959	WERNER, K.	1995	WISTREICH, J. G.	1098, 3246	YING, A. S. C.	1348
WALSH, A. D.	2317	WERNER, M.	1261	WITHERS, J. G.	4961	YNGVE, V. H.	2268
WALSH, J. L.	2069	WERREN, F.	143, 145, 146,	WITT, R. K.	1483	YOKOBORI, T.	499, 3892
WALSH, J. M.	420	1427, 2876	WITT, W. R., JR.	2242	YOKOTA, S.	2380	
WALTERS, A. G.	2693, 3044	WESCHE, K.	114	WITTEN, L.	1259	YORK, J. L.	2524
WAN, C. C.	2565	WESELY, K. H.	3373	WITTENBERG, H.	2942	YOSHIIHARA, H.	850, 3643
WANDERS, G.	596	WESKE, J. R.	1154	WITTHOFF, J.	1139	YOSHIMURA, Y.	1041
WANER, N. S.	3502	WESLEY, R. P.	2482	WITTING, H.	1195, 2229	YOSHITAKE, M.	2714
WANG, A. J.	1787	WEST, C. T.	3485	WITTRICK, W. H.	461, 1059	YOSHIZAWA, S.	1675
WANG, C.-K.	762	WEST, W. E., JR.	1958	WOHL, K.	3747	YOST, J. H.	2956
WANG, C.-T.	2102	WESTERGAARD, H. M.	1033	WOHLENBERG, W. J.	3395, 3740	YOUNG, A. D.	233, 896, 1930
WANZENRIED, H.	460	WESTERVELT, P. J.	825, 3033	WOINOWSKY-KRIEGER, S.	1423, 2796	YOUNG, D.	2060, 2086
WARBURTON, G. B.	30, 3134	WESTON, D. E.	3035, 3036	WOLFE, K. J. B.	3593	YOUNG, D. M.	1703
WARD, J. O.	799	WESTOVER, T. A.	2384	WOLKSTEIN, W. S.	1949	YOUNG, R. B.	2873
WARDLAW, R. L.	2997	WESTRICK, GERTRUDE C.	240	WOLKERS, G. J.	2977	YOUNGER, D. G.	2148
WARE, T. M.	2006	WESTWATER, J. W.	1958	WONG, E. L.	2640	YU, Y.-Y.	1063, 3164
WARDHOLM, A. O.	2051	WETENKAMP, H. R.	1830	WONG, T. J.	2225	Z	
WARNER, J.	369	WETMORE, O. C.	670	WOOD, D. S.	1817	ZAAJ, J. A.	4027
WARNER, P. C.	108, 1681	WENLER, R.	4994	WOOD, H. L.	3374	ZACHER, W.	3556
WARNER, W. H.	192, 3877	WEYMANN, H.	108	WOOD, J. K.	1304, 1305	ZACHRISSON, L. E.	2367
WARNICK, C. C.	278	WHALEY, R. E.	2489	WOOD, L. W.	1832	ZADUMKIN, S. N.	2988
WARREN, C.	3226	WHALLEY, E.	1935	WOODCOCK, A. H.	3009, 3426	ZAGREBENNIKOVA, M. P.	2158
WARREN, C. H. E.	876, 2927, 3402	WHEELER, R. W.	3751	WOODLING, C. H.	2918	ZAGRYAZHSKII, A. A.	484
WARSHAWSKY, I.	4036	WHITE, J. E.	3434	WOODS, L. C.	1545, 2550, 3280, 3700, 3961	ZAIID, M.	455, 2110
WASHA, G. W.	2852	WHITTAKER, D.	1289	WOODWARD, D. R.	1589	ZAKARIAN, A.	3101
WASHBURN, J.	2872	WHITTEN, J. B.	222, 3306	WOODWARD, J. G.	117	ZALDASTANI, O.	546
WASHIZU, K.	376, 995	WHITTLE, J.	4948	WOODWARD, R. H.	3901	ZANABONI, O.	1451
WASIUTYŃSKI, Z.	428, 463	WHYTE, M.	3592	WOOLARD, H. W.	2615	ZANGER, C. N.	482
WASSENAAR, T.	2977, 2978	WICK, B. H.	3938	WOOLF, D. O.	118	ZARANTONELLO, E. H.	1703
WASSERMAN, L. S.	2564	WICK, R. S.	1192	WOOLLEY, H. W.	292	ZAREMBA, S. K.	547, 1363, 2047,
WATERHOUSE, F. M.	3339	WICKIE, E.	2307	WOOLSTON, D. S.	1585, 3311	2738, 3959	
WATKINS, C. E.	880, 1585, 1992, 2247, 3312	WICKERSHAM, P. D.	2096	WORK, C. E.	3569	ZARTARIAN, G.	1911
WATKINS, R. D.	3251	WIDDER, D. V.	3347	WORTHINGTON, P. M.	3182	ZATAKIS, H.	1271
WATSON, C. G.	1078	WIEGHARDT, K. E. G.	178	WRIGHT, D. F.	273	ZATT, J. A.	2916
WATTENDORF, F. L.	1249	WIENS, G.	1469	WRIGHT, D. T.	3532	ZATKIS, H.	950, 3028
WATTS, A. B.	3904	WIGHT, K. C.	3668	WRIGHT, G. M.	3729, 3738	ZBROZEK, J.	3661
WEBB, C. R.	1718	WIKKER, H.	4003	WRIGHT, J.	1746	ZENDER, G. W.	1088
WEBER, H. A.	2287	WILKERSON, E. C.	3743	WRIGHT, K. H. R.	4100	ZERNA, W.	3169
WEBELER, R.	2181	WILKES, E. W.	51	WRIGHT, P. J. F.	3574	ZERNOW, L.	492
WEBER, C.	54, 60	WILKESMAN, F.-W.	3855	WRIGHT, W.	471	ZHGENTI, V. S.	1068
WEBER, H. E.	711	WILKIE, M. J.	1253	WU, C.-H.	556	ZHUKOV, I. P.	504
WEBER, J.	2547	WILLARD, G. W.	1160	WU, M. H. L.	492	ZHUKOVITSKY, A. A.	1967
WEEKES, K.	4086	WILLIAMS, C. D.	3547	WU, N.-G.	3504	ZICMAN, B.	3930
WEEKS, J. L.	3717	WILLIAMS, D.	673, 3990	WUEST, W.	212	ZIEBART, E.	1600
WEGENER, P. P.	216	WILLIAMS, E. J.	682	WUNDT, W.	3604	ZIEGLER, H.	721
WEGNER, U.	1741	WILLIAMS, G. C.	2315, 2316, 4045	WYATT, DEM. D.	893, 901	ZIMAN, J. M.	3344
WEIBERG, J. A.	1554, 1895	WILLIAMS, J.	886	WYATT, O. H.	787	ZINGG, A. W.	283
WEICK, F. E.	244	WILLIAMS, M. L.	2931, 3779	WYKER, H.	4003	ZINSSER, R.	3572
WEICKMANN, H. K.	359	WILLIAMS, W. E., JR.	2591	Y		ZISINA-MOLOZHEN, L. M.	563
WEIDLICH, W.	1053	WILLIG, F. J.	420	YAGI, S.	2620	ZLÁMAL, M.	3452
WEIGAND, A.	63	WILLIS, A. H.	1496	YAGLOM, A. M.	207	ZLOTNICK, M.	1565, 2244
WEIL, C. W.	3747	WILLMARTH, W. W.	270, 1181	YAKIMANSKII, V. V.	2198	ZOHEL, O. J.	3716
WEIMER, D. K.	3271	WILLOUGHBY, G.	1484	YAKOVLEVA, E. S.	1792	ZOROWSKI, C. F.	413
WEINBERG, E. H.	97	WILSON, A. H.	3568	YAKUBOVICH, V. A.	378	ZOSB, L. M.	1945, 2282
WEINBERG, J. G.	3234	WILSON, C. D.	1916	YAKUTOVICH, M. V.	1792	ZUBER, N.	3361
WEINBERG, S.	1648	WILSON, E. M.	1970	YAMAGATA, K.	1284	ZUBOV, V. I.	1698
WEINBERGER, H. F.	45	WILSON, L. H.	2561	YAMAKI, N.	760	ZWANZIG, R. W.	290
WEINBLUM, G. P.	3444	WILSON, S. D.	4075	YAMASHITA, R.	2032	ZWICK, E. B.	3749
WEINIG, F. S.	1617, 1629	WILSON, T. S.	2757	YAMAZAKI, H.	655	ZWIKKER, C.	3362
WEINSTEIN, I.	888	WILSON, W. A.	1705	YAMAZAKI, K.	3398	ZWISLOCKI, J.	1312
WEIR, C. E.	1133, 1134, 1135					ZYCKOWSKI, M.	696
WEIRICH, H.	1521						
WEISKOPF, W. H.	1796						
WEISMANTLE, A. R.	1963						
WEISS, H. J.	3203						

20  
15  
7  
8  
7  
5  
34  
02  
39  
22  
8  
37  
8  
5  
34  
28  
8  
8  
2  
30  
11  
3  
11  
4  
5  
6  
10  
6  
33  
3  
8  
44

27  
36  
77  
88  
68  
41  
0  
01  
16  
51  
32  
03  
7.  
1  
71  
6  
28  
51  
88  
39  
02  
88  
04  
37  
30  
00  
21  
14  
33  
2  
33  
52  
44  
16  
3  
82  
31  
08  
40  
49  
32  
28  
2  
46